

Nokia 808 PureView User Guide

Issue 2.0

Contents	
Safety	5
Get started	7
Keys and parts	7
Insert the SIM card	8
Insert a memory card	9
Charge the battery	11
Switch the phone on or off	12
Lock or unlock the keys and screen	12
Change the volume of a call, song, or video	13
Nokia account	13
Copy contacts or photos from your old phone	14
Antennas	14
Headset	15
About NFC	15
Activate NFC	16
Connect to a Bluetooth accessory using NFC	16
Switch the flashlight on or off	17
Attach a wrist strap or lanyard	17
Use the user guide in your phone	18
Basic use	18
Use the toolbar	18
Touch screen actions	19
Use shortcuts	21
Switch between open applications	21
Write text	22
Icons shown on your phone	27
Set your phone to blink for missed calls or messages	28
Flashlight	28
Search your phone and the internet	29
Use your phone offline	29
Prolong battery life	29
Restore original settings	31
Camera and photos	31
About the camera	31
Change the shooting mode	32
Take photos	32
Record videos	34
Send a photo or video	36
Send a photo or other content to another phone that supports NFC	36
Share a photo or video directly from the camera	37
Set where to save photos and videos	38
Photos	38
Personalisation and Nokia Store	44
Profiles	44
Change your theme	46
Home screen	46
Organise your apps	49
Nokia Store	49
Telephone	52
Call a phone number	52
Switch the loudspeaker on during a call	52
Turn to silence your phone	52
Call a contact	53
Answer a waiting call	53
Make a video call	53
Answer a video call	54
Decline a video call	55
Make a conference call	55
Call the numbers you use the most	56
Use your voice to call a contact	56
Call the last dialled number	57
Record a phone conversation	57
View your missed calls	57
Call your voice mailbox	58
Allow calls only to certain numbers	58
Contacts	59
About Contacts	59

Save phone numbers and mail addresses	59	About Mail	68
Save a number from a received call or message	59	Add a mailbox	68
Contact your most important people quickly	60	Read a received mail	68
Add your important contacts to the home screen	60	Send a mail	70
Add a photo for a contact	60	Respond to a meeting request	70
Set a ringtone for a contact	61	Open mail from the home screen	70
Create a contact group	61	Internet	71
Send a message to a group of people	61	About the web browser	71
Send your contact information using My Card	61	Browse the web	71
Copy contacts from the SIM card to your phone	62	Add a bookmark	72
Back up your contacts to Nokia services	62	Subscribe to a web feed	72
Social networks	62	Allow a website to use your location info	73
About Social	62	Unreadable characters while browsing the web	73
See your friends' status updates in one view	63	Access an online service using NFC	73
Post your status to social networking services	63	Entertainment	74
Link your online friends to your contacts list	64	Music player	74
See your friends' status updates on the home screen	64	Record sounds	77
Upload a photo or video to a service	64	FM radio	77
Contact a friend from a social networking service	65	Play a game with a friend using NFC	79
Add an event to your phone calendar	65	Pay with your phone	79
Messages	65	Videos	80
About Messaging	65	Connect to a high definition system	81
Send a message	65	Stream content wirelessly	82
Read a received message	66	Maps	84
Send an audio message	67	About Maps apps	84
Change the writing language	67	Navigate to your destination	85
Mail	68	Find and view locations	89
		Save and share places	93
		Report incorrect map information	95
		Clock and calendar	95
		Clock	95
		Calendar	97
		Office	100
		Quickoffice	100
		Read PDF documents	100

Use the calculator	100
Write a note	101
Translate words	101
Open or create zip files	101

Connectivity	102
Connectivity security	102
Select a network manually	102
Internet connections	103
Keep track of your data traffic	104
Wireless LAN	104
VPN connections	106
Close a network connection	106
Bluetooth	107
USB data cable	110

Phone management	112
Keep your phone software and applications up to date	112
Manage files	113
Free up phone memory	115
Manage applications	116
Synchronise content	116
Copy contacts or pictures between phones	118
Protect your phone	118
Prepare your phone for recycling	120

Find more help	120
Support	120

Access codes	121
---------------------	------------

Nokia original accessories	121
Practical rules about accessories	121
Battery	122

Product and safety information	122
---------------------------------------	------------

Index	140
--------------	------------

Safety

Read these simple guidelines. Not following them may be dangerous or illegal. For further info, read the complete user guide.

SWITCH OFF IN RESTRICTED AREAS



Switch the device off when mobile phone use is not allowed or when it may cause interference or danger, for example, in aircraft, in hospitals or near medical equipment, fuel, chemicals, or blasting areas. Obey all instructions in restricted areas.

ROAD SAFETY COMES FIRST



Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.

INTERFERENCE



All wireless devices may be susceptible to interference, which could affect performance.

QUALIFIED SERVICE



Only qualified personnel may install or repair this product.

BATTERIES, CHARGERS, AND OTHER ACCESSORIES



Use only batteries, chargers, and other accessories approved by Nokia for use with this device. Third-party chargers that comply with the IEC/EN 62684 standard, and that can connect to your device micro USB connector, may be compatible. Do not connect incompatible products.

KEEP YOUR DEVICE DRY



Your device is not water-resistant. Keep it dry.

GLASS PARTS



The device screen is made of glass. This glass can break if the device is dropped on a hard surface or receives a substantial impact. If the glass breaks, do not touch the glass parts of the device or attempt to remove the broken glass from the device. Stop using the device until the glass is replaced by qualified service personnel.

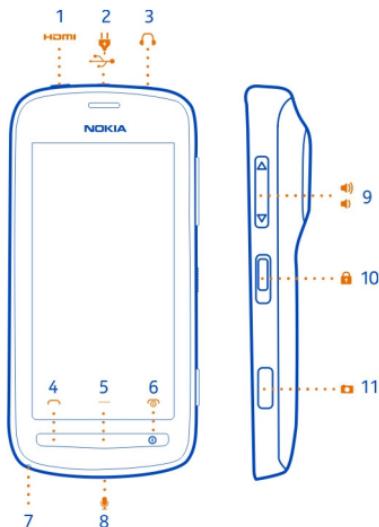
PROTECT YOUR HEARING



To prevent possible hearing damage, do not listen at high volume levels for long periods. Exercise caution when holding your device near your ear while the loudspeaker is in use.

Get started

Keys and parts



- 1 HDMI™ Micro Connector
- 2 Micro-USB connector. Used also to charge the battery.
- 3 Headset connector (Nokia AV connector)
- 4 Call key
- 5 Menu key
- 6 End/Power key . Used also to close the camera.
- 7 Lanyard/Wrist strap hole
- 8 Microphone
- 9 Volume/Zoom keys
- 10 Lock key
- 11 Camera key

If there is protective tape on the camera lens, remove the tape.

Close the HDMI cover

With the back of the phone facing you, push the left end of the cover into the phone before you push the hinge end in.

Insert the SIM card

! Important: This device is designed to be used with a mini-UICC SIM card, also known as a micro-SIM card only. A micro-SIM card is smaller than the standard SIM card. Use of incompatible SIM cards may damage the card or the device, and may corrupt data stored on the card.

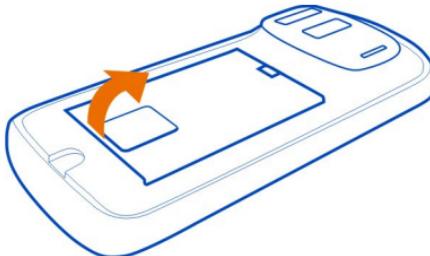
Do not use SIM cards that have been modified to fit the micro-SIM holder. To replace a standard SIM card with a micro-SIM card, contact your service provider.

Do not attach any stickers to your SIM.

- 1 Make sure the phone is switched off.
- 2 Place your fingernail in the gap on the bottom edge of the back cover, and carefully lift and remove the cover.



- 3 If the battery is in the phone, lift it out.



- 4 Slide the SIM holder to unlock it. Use your fingernail to lift the SIM holder.



5 Make sure the contact area would face down, put the SIM into the holder, and lower the holder.



6 Slide the SIM holder to lock it.



7 Line up the battery contacts, push the battery in, and replace the back cover.

Remove the SIM

- 1 Switch the phone off.
- 2 Remove the back cover.
- 3 If the battery is in the phone, lift it out.
- 4 Open the SIM holder, and pull the card out.

Insert a memory card

Memory cards are available separately.

Use only compatible MicroSD and MicroSDHC cards approved by Nokia for use with this device. Incompatible cards may damage the card and the device and corrupt data stored on the card.

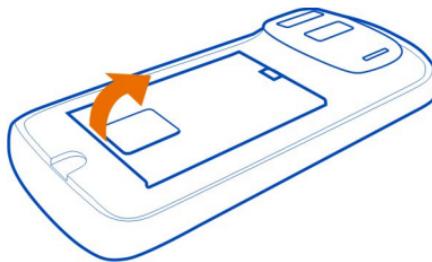


10 Get started

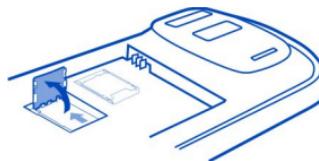
- 1 Make sure the phone is switched off.
- 2 Place your fingernail in the gap on the bottom edge of the back cover, then carefully lift and remove the cover.



- 3 If the battery is in the phone, lift it out.

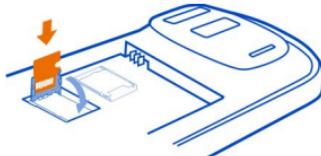


- 4 Slide the memory card holder to unlock it. Use your fingernail to lift the memory card holder.

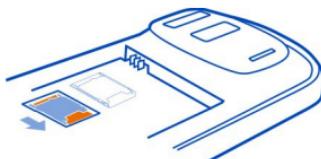


- 5 Make sure the contact area would face down, put the memory card into the holder and lower the holder.

Memory cards are available separately. For Full HD (1080p) videos, a Class 6 memory card is recommended.



6 Slide the memory card holder to lock it.



7 Line up the battery contacts, push the battery in, then replace the back cover.

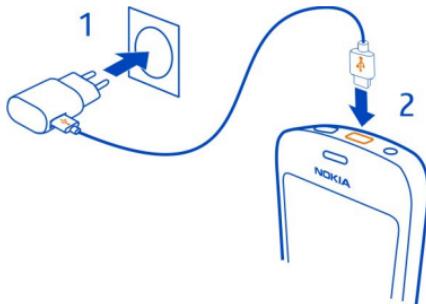
Remove the memory card

- 1 Switch the phone off.
- 2 Remove the back cover.
- 3 If the battery is in the phone, lift it out.
- 4 Open the memory card holder, then pull the card out.

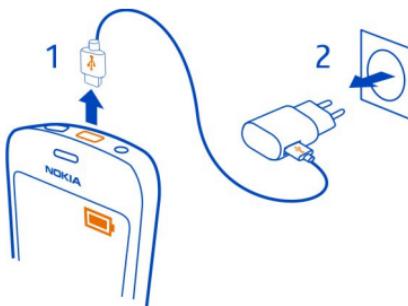
Charge the battery

Your battery has been partially charged at the factory, but you may need to recharge it before you can switch on your phone for the first time.

- 1 If your phone needs recharging, do the following:



- 2 When the battery is full, do the following:



You can use USB charging when a wall outlet is not available. Data can be transferred while charging the device. The efficiency of USB charging power varies significantly, and it may take a long time for charging to start and the device to start functioning.

You do not need to charge the battery for a specific length of time, and you can use the phone while it is charging.

If the battery is completely discharged, it may take several minutes before the charging indicator is displayed or before any calls can be made.

Switch the phone on or off

Switch on

Press and hold the power key ① until the phone vibrates.

Switch off

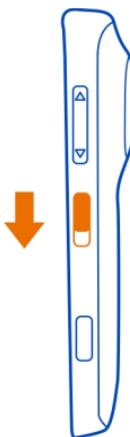
Press and hold the power key ①.



Lock or unlock the keys and screen

To avoid accidentally making a call when your phone is in your pocket or bag, lock the keys and screen of your phone.

Slide the lock key.



Tip: To unlock, you can also press the menu key, and drag the lock screen left or right.

Set how long before the keys and screen lock

- 1 Select > Settings and Phone > Display > Screen/keylock time-out.
- 2 Set the length of time after which the keys and screen are locked automatically.

Change the volume of a call, song, or video

Use the volume keys.

You can change the volume during a call or when an app is active.

The built-in loudspeaker lets you speak and listen from a short distance without having to hold the phone to your ear.

Switch the loudspeaker on or off during a call

Select or .

Nokia account

When you switch your phone on for the first time, your phone guides you through creating a Nokia account.

You can:

- Access all Nokia services with a single username and password, both on your phone and a compatible computer

- Download content from Nokia services
- Save details about your phone model and contact information. You can also add your payment card details.
- Save your important walking and driving routes to Nokia Maps

To learn more about the Nokia account and Nokia services, go to www.nokia.com/support.

To create a Nokia account later, go to account.nokia.com.

Copy contacts or photos from your old phone

Want to copy important info from your previous Nokia phone and start using your new phone quickly? Use the Phone switch app to copy, for example, your contacts, calendar entries, and photos to your new phone, free of charge.

Your previous phone needs to support Bluetooth.



- 1 Select > **Settings** > **Connectivity** > **Data transfer** > **Phone switch**.
- 2 Select your old phone from the list, then pair the phones. Bluetooth needs to be on in both phones.
- 3 If the other phone requires a passcode, type in the passcode in both phones. The passcode is for the current connection only, and you can define it yourself. The passcode in some phones is fixed. For details, see the user guide of the other phone.
- 4 Select what you want to copy, then select **OK**.

Tip: You can also use the Phone switch app to copy content from other phones later.

Antennas

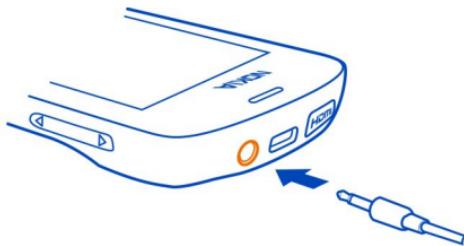
Avoid touching the antenna area while the antenna is in use. Contact with antennas affects the communication quality and may reduce battery life due to higher power level during operation.



The antenna area is highlighted.

Headset

You can plug a compatible headset or compatible headphones to your phone.



Do not connect products that create an output signal, as this may damage the device. Do not connect any voltage source to the Nokia AV connector. If you connect an external device or headset, other than those approved by Nokia for use with this device, to the Nokia AV connector, pay special attention to volume levels.

About NFC

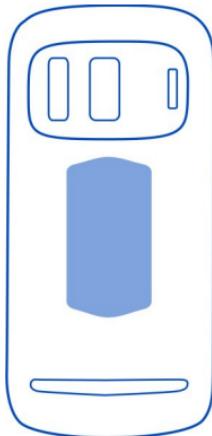
Near Field Communication (NFC) makes connecting and sharing easy and fun. Nokia phones and accessories that support NFC are connected wirelessly when you touch them together.

With NFC, you can:

- Share the content you've created between two compatible phones that support NFC.

- Connect to compatible Bluetooth accessories that support NFC, such as a headset or a wireless loudspeaker.
- Pay with your phone, if supported by your network service provider.
- Touch tags to get more content for your phone or to access online services.
- Play multi-player games against other owners of compatible phones that support NFC.

The NFC area is on the back of your phone, below the camera. Touch other phones, accessories, or readers with the NFC area.



You can use NFC when the phone screen is on. You may be able to pay or use your phone as a ticket even when your phone is locked, depending on your service provider.

For more info, watch the NFC tutorial videos on your phone.

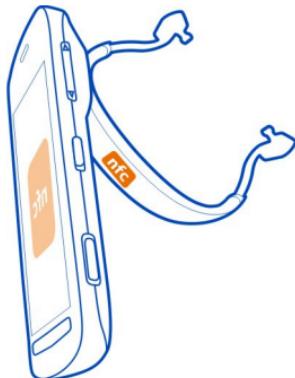
Tip: You can download more content supported by NFC from Nokia Store.

Activate NFC

Select  > Settings and Connectivity > NFC > NFC > On.

Connect to a Bluetooth accessory using NFC

Touch the NFC area of the accessory with the NFC area of your phone, and select Yes.



Disconnect the accessory

Touch the NFC area of the accessory again.

For more information, see the user guide of the accessory.

Switch the flashlight on or off

Need to find your way in the dark? Use the camera flash as a flashlight.

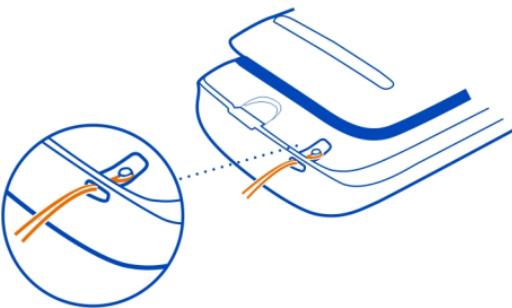
Slide and hold the key lock switch for 2 seconds.

You can switch the flashlight on even when the keys and the screen or the phone is locked.

Do not shine the flashlight in anyone's eyes.

Attach a wrist strap or lanyard

- 1 Remove the back cover.
- 2 Push the loop through the hole, then put it over the hook.



Use the user guide in your phone

Your phone has a built-in user guide. It's always with you, available when needed. Select  > User guide.

Search the user guide

When the user guide is open, select  > Search, then write a letter or a word in the search field.

Open an application from the user guide

Select the application link in a topic.

To switch back to the user guide, press and hold the menu key, swipe left or right, then select the user guide.

Links to related topics may be at the end of instructions.

Tip: You also receive text messages and pop-up tips that give useful information about using your phone. To view the tips later, select  > Tips and Offers.

Basic use

Use the toolbar

The toolbar at the bottom of the display helps you browse your phone easily.



-  Open the main menu.
-  Make a call.
-  Return to the previous view.
-  Search for applications.
-  Open the options menu.

Touch screen actions

To use your phone, tap or tap and hold the touch screen.

! Important: Avoid scratching the touch screen. Never use an actual pen, pencil, or other sharp object on the touch screen.

Open an app or item

Tap the app or item.

Tap and hold to see more options

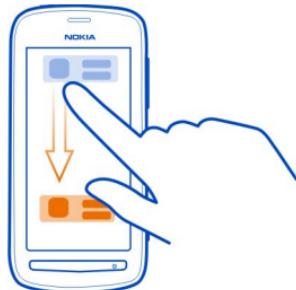
Place your finger on an item until the menu opens.



Example: To send a contact card or delete an alarm, tap and hold the contact or alarm, then select the option you want.

Drag an item

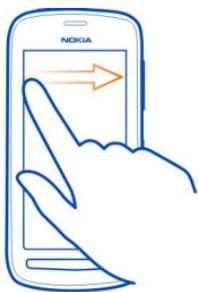
Tap and hold the item, then slide your finger across the screen.



Example: You can drag items on the home screen, or when arranging the main menu.

Swipe

Place your finger on the screen, then slide it in the direction you want.



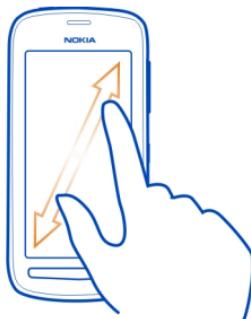
Example: To switch to another home screen, swipe left or right.

To quickly scroll through a long list or menu, slide your finger quickly up or down the screen, then lift your finger. To stop the scrolling, tap the screen.

Zoom in or out

Place two fingers on an item, such as a map, photo, or web page, then slide your fingers apart or together.

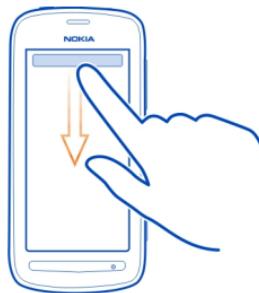
Tip: You can also tap the item twice.



Use shortcuts

You don't have to navigate long paths to, for example, open or close an internet connection, or to silence your phone. You can access these settings directly in the status menu, no matter what application or view you're in.

Swipe down from the notification area.



In the status menu, you can do the following:

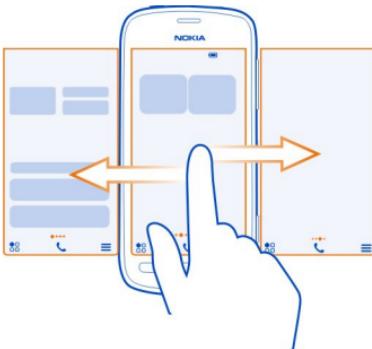
- View notifications of missed calls or unread messages
- Silence your phone
- Modify the connectivity settings
- View available WLAN connections, and connect to a WLAN
- Manage Bluetooth connections

Tip: When listening to music, you can quickly access the music player from the status area.

Switch between open applications

You can see which applications and tasks are open in the background, and switch between them.

Press and hold the menu key, swipe left or right, and select the desired application.



Applications running in the background increase the demand on battery power and use memory. To close an application that you are not using, select **×**.

Tip: To close all open applications, select and hold the task switcher, and from the pop-up menu, select **Close all**.

Write text

The on-screen keyboard and keypad

You can write using the on-screen keyboard or on-screen keypad.

Some options can vary depending on whether you use the keyboard or keypad, whether you hold the phone in landscape or portrait mode, or the language you want to write in.

Add a writing language

Need to write in another language? You can easily switch between several writing languages.

In some countries the languages have been selected by default.

Select > **Settings and Phone** > **Language** > **Writing language**, and select the language.

To change the writing language settings, select > **Settings and Phone** > **Language** > **Writing language** and a language.

Switch between languages when writing

Select repeatedly, until the language you want is shown. The language key is only shown when more than one writing language has been selected.

Write with the on-screen keyboard

Switch the keyboard on

You can use the on-screen keyboard both in landscape and portrait mode.

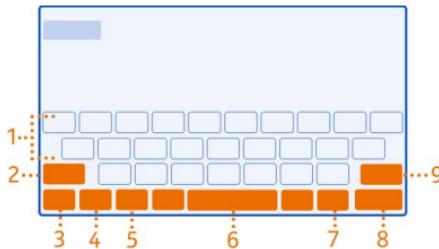
Select  > **Settings and Phone** > **Language** > **Writing language**, and select the language and **Qwerty**.

The on-screen keyboard in portrait mode may not be available in all writing languages.

Keys on the keyboard when writing in English

The layout of the keyboard may vary, depending on the writing language, input mode, and character range you use.

The keyboard layout when the writing language is English:



- 1 Keyboard
- 2 Shift and caps lock key - Change the character case. To switch to caps lock mode, select the key twice.
- 3 Close key - Close the keyboard.
- 4 Character/number mode key - Type in special characters or numbers.
- 5 Language key - Switch between writing languages. Only shown when more than one language has been selected.
- 6 Space key
- 7 Smiley key
- 8 Enter key - Move the cursor to the next row. Additional uses are based on context. For example, in the web browser, it can act as the Go icon.
- 9 Backspace key - Delete a character.

Use predictive text with the keyboard when writing in English

To speed up your writing, your phone can guess what you are starting to write.

Predictive text is based on a built-in dictionary to which you can add new words. This feature is not available for all languages.

Switch predictive text on or off

Select  > Settings and Phone > Language > Writing language, and select a language and Word suggestion.

Use predictive text when writing

- 1 Start writing a word.
- 2 Your phone suggests possible words as you write. When the correct word is shown, select the word.

Add a new word to the dictionary

Select the word you have written in the candidate bar.

Write using the keyboard when writing in English

Switch between character cases

Select .

Add an accent to a character

Select and hold the character, then select the character from the pop-up.

Switch between number and letter mode

Select  or .

Delete a character

Select .

Move the cursor to the next row

Select .

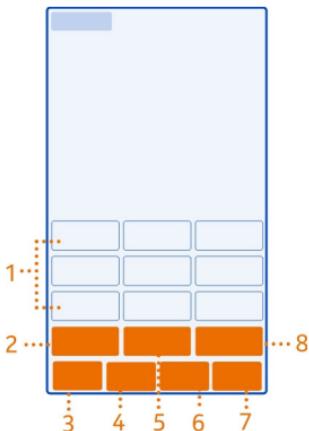
Write with the on-screen keypad

Switch the keypad on

If you prefer to use the number keypad when writing in portrait mode, you can switch from the on-screen keyboard to the on-screen keypad.

Select  > Settings and Phone > Language > Writing language, then select the language and Phone keypad.

Keys on the keypad



- 1 Character keys
- 2 Character/number mode key - Type in special characters or numbers.
- 3 Close key - Close the keypad.
- 4 Language key - Switch between writing languages. Only shown when more than one language has been selected.
- 5 Space/enter key - Type in a space or move the cursor to the next row. Additional uses are based on context. For example, in the web browser, it can act as the Go icon.
- 6 Smiley key
- 7 Backspace key - Delete a character.
- 8 Shift key - Change the character case. This may not be available in all languages.

Use predictive text with the keypad

To speed up your writing, your phone can guess what you are starting to write.

Predictive text is based on a built-in dictionary to which you can add new words. This feature is not available for all languages.

Switch predictive text on

Select > Settings and Phone > Language > Writing language, and select a language and Word suggestion.

Switch predictive text off

When writing, select twice.

Use predictive text when writing

- 1 Start writing a word.
- 2 Your phone suggests possible words as you write. When the correct word is shown, select the word.

Add a new word to the dictionary

Select the word you have written in the candidate bar.

Use traditional text with the keypad

Type in a character

- 1 Select a character key repeatedly until the character is shown. There are more characters available than are shown on the key.
- 2 If the next letter is on the same key, wait until the cursor is shown, then select the key again.

Switch between number and letter mode

Select  or .

Switch between character cases

Select .

Type in a space

Select .

Delete a character

Select .

Move the cursor to the next row

Select .

Copy or paste text

Want to edit your text more quickly? Copy, cut, and paste to rearrange text easily.

Copy or cut text

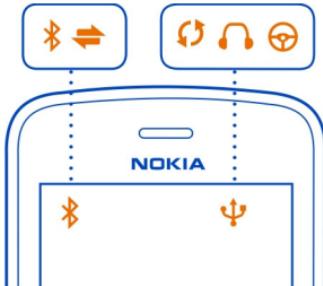
Select and hold a word, drag the cursor to highlight the section you want to copy or cut, then select  or .

Paste text

Select and hold the text box, then select .

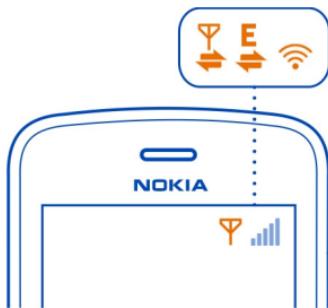
Icons shown on your phone**General icons**

- The touch screen and keys are locked.
- Someone has tried to call you.
- You have unread messages.
- If the message icon is blinking, your Inbox folder may be full.
- You have a missed calendar event.
- An alarm is set.
- Messages are waiting to be sent in the Outbox folder.
- Incoming calls are forwarded to another number.

Bluetooth and USB icons

- Bluetooth is on.
- If the icon is blinking, your phone is trying to connect to another device.
- Your phone is sending data over Bluetooth.
- A USB cable is connected to your phone.
- An HDMI cable is connected to your phone.
- The phone is syncing.
- A compatible headset is connected to your phone.
- A compatible car kit is connected to your phone.

Network icons



- Your phone is connected to a GSM network.
- Your phone is connected to a 3G network.
- A WLAN connection is open.
- A GPRS data connection is opening or closing.
- A GPRS data connection is open.
- A GPRS data connection is on hold.
- An EGPRS data connection is opening or closing.
- An EGPRS data connection is open.
- An EGPRS data connection is on hold.
- A 3G data connection is opening or closing.
- A 3G data connection is open.
- A 3G data connection is on hold.
- An HSPA connection is opening or closing.
- An HSPA data connection is open.
- An HSPA connection is on hold.

Set your phone to blink for missed calls or messages

When the phone notification light blinks, you have missed a call or a message has arrived.

Select  > **Settings and Phone** > **Notification lights** > **Notification light**.

Flashlight

The camera flash can be used as a flashlight. To switch the flashlight on or off, slide and hold the key lock switch for two seconds.

Do not shine the flashlight in anyone's eyes.

Search your phone and the internet

 Explore your phone and the internet. You can search for mail, contacts, photos, music, or apps stored on your phone and on the internet.

Select  > Search.

- 1 Start writing a search word, then select from the proposed matches.
- 2 To search on the internet, select the internet search link at the end of the search results. You need an active internet connection.

Tip: You can add a search widget to the home screen. Tap and hold an empty area of the home screen, then select **Add widget** and the search widget from the list.

Use your phone offline

In places where you do not want to make or receive calls, you may still access your music, videos, and offline games if you switch to the offline profile.

Press the power key , then select **Turn offline mode on**.

When the offline profile is switched on, your connection to the mobile network is closed. All radio frequency signals between the phone and the mobile network are prevented. If you try to send a message, it is placed in the Outbox folder, and is sent only when you switch to another profile.

You can also use your phone without a SIM. Switch the phone off, and remove the SIM. When you switch back on, the offline profile is switched on.

 **Important:** In the offline profile you cannot make or receive any calls, or use other features that require cellular network coverage. You may be able to call the official emergency number programmed into your device. To make calls, you must first change to another profile.

When the offline profile is switched on, you can still connect to a WLAN to, for example, read your mail or browse the internet. You can also use Bluetooth.

If NFC is switched on, it is on also in the offline profile. To switch NFC off, select  > **Settings and Connectivity** > **NFC**, then switch **NFC** to **Off**.

Switch the phone off when mobile phone use is not allowed or when it may cause interference or danger. Remember to comply with any applicable safety requirements.

Prolong battery life

If it seems you're always looking for a charger, there are steps you can take to reduce the power consumption of your phone.

- Always charge the battery fully.
- When power saving mode is on, phone settings, such as **Network mode** and the screen saver, are optimised.

Switch power saving mode on

Press the power key , then select **Turn power saving on**. To switch power saving mode off, press the power key , then select **Turn power saving off**.

Close the apps you are not using

Press and hold the menu key, swipe until the app you want to close is shown, then select .

Sounds, themes, and effects

- Mute unnecessary tones, such as key tones.
- Use wired headphones, rather than the loudspeaker.
- Change the length of the time-out period after which the phone screen switches off.

Set the length of the time-out period

Select  > **Settings and Phone** > **Display** > **Light time-out**.

Switch to a dark theme and wallpaper

Select  > **Settings and Themes** > **General**.

To change the wallpaper, on the home screen, select  > **Change wallpaper**.

Lower the brightness of the screen

Select  > **Settings and Phone** > **Display** > **Brightness**.

Switch the Big clock screen saver off

Select  > **Settings and Themes** > **Screen saver** > **None**.

Network use

- If you are listening to music or otherwise using your phone, but do not want to make or receive calls, switch to the offline profile.
- Set your phone to check for new mail less frequently.
- Use a WLAN connection to connect to the internet, rather than a mobile data (GPRS or 3G) connection.
- If your phone is set to use both GSM and 3G networks (dual mode), the phone uses more power when searching for the 3G network.

Set your phone to use only the GSM network

Swipe down from the notification area, then select the mobile network and **Network mode > GSM**.

Switch Bluetooth off when not needed

Swipe down from the notification area, then select .

Stop your phone scanning for available WLANs

Swipe down from the notification area, then select .

Open a mobile data (3G or GPRS) connection only when needed

To close the mobile data connection, swipe down from the notification area, then select .

Restore original settings

If your phone is not working properly, you can reset some settings to their original values.

- 1 End all active calls and connections.
- 2 Select  > **Settings and Phone** > **Phone management** > **Factory settings** > **Restore**.
- 3 If prompted, enter the security code.

After restoring the original settings, the phone switches off, and then on again. This may take longer than usual.

Camera and photos

About the camera

 To open the camera, press the camera key.

Why carry a separate camera if your phone has all you need for capturing memories and much more? With your phone camera, you can capture superior quality photos and videos in sharing-friendly file sizes.

The back camera on your phone uses the revolutionary PureView Pro imaging technology. Nokia's PureView Pro combines an extremely high resolution sensor with high performance Carl Zeiss™ optics. These together provide unprecedented low light performance and superior photo and video quality in compact file sizes for sharing. With PureView Pro, you can also zoom and crop your photos in a completely new way. Your camera has three shooting modes and a variety of settings to suit every mood.

You can also use your phone to view or edit photos and videos, share them on the internet, or send them to compatible devices.

Tip: You can take photos even when your phone screen and keys are locked. Press the camera key for 1 second to grab your photos on the fly.

Change the shooting mode

Want to take good photos and videos without the hassle of adjusting the settings for different conditions? Or would you like to create your own personal settings profiles to meet your needs? Or perhaps something in between? You can easily change the shooting mode to your liking.

There are three shooting modes to select from:

- **Automatic** — Let the camera decide what are the best settings.
- **Scenes** — Select from some ready-made settings tailored for different conditions.
- **Creative** — Go fully manual.



Change the shooting mode

Select  and a shooting mode. If necessary, tap the right side of the screen to leave the settings.

Take photos

Take a photo



- 1 Press the camera key halfway down to lock the focus on an object (not available in landscape or sports modes). A green locked focus indicator is shown. If the focus is not locked, a red focus indicator is shown. Release the camera key, make sure the object is within the brackets, and press the camera key halfway down again to lock the focus. You can also take a photo without locking the focus.
- 2 Press the camera key fully down. Do not move the phone before the photo is saved and the camera is ready for a new photo.

The photos are saved in Gallery.

View your camera roll

Your camera roll shows the photos you've taken recently. To open the camera roll, select . To view the previous photo or video, swipe right.

Close the camera

Press the end key briefly.

Photo tips

To open the camera, press the camera key.

- Use both hands to keep the camera steady.
- If you don't use the camera for about a minute, it goes to sleep. To wake the camera up, press the camera key briefly.

To get the best photos, the way you like it, take your pick – the camera offers you three different shooting modes:

- If you prefer to let the camera decide what are the best settings, use Automatic mode. All you need to do is to point and shoot.
- Scenes mode offers you some ready-made scenes for various situations.

Example: Landscape mode: to get distant scenery in focus. Close-up mode: when taking photos of small details. Snow mode: for very white environments. Spotlight mode: at concerts where the performer is under spotlights, in front of a dark background.

- Creative mode lets you define the camera settings yourself and save the different settings profiles for easy use later on.

To change the shooting mode, select . If necessary, tap the right side of the screen to leave the settings.

Keep a safe distance when using the flash. Do not use the flash on people or animals at close range. Do not cover the flash while taking a photo.

Take a close-up photo

It can be tricky to get small objects, such as insects or flowers, in focus. You need to move the camera closer to the object. To take sharp and precise photos of even the tiniest details, use close-up mode.

- 1 To open the camera, press the camera key.
- 2 Make sure you are in the Scenes shooting mode. To switch the mode, select  > **Scenes**.
- 3 Select .

Take a photo in the dark

To take photos even in dim light, switch to night mode.

- 1 To open the camera, press the camera key.
- 2 Make sure you are in the Scenes shooting mode. To switch the mode, select  > **Scenes**.
- 3 Select . To use the flash, select .

Take a photo of a moving object

Are you at a sports event and want to capture the action with your phone? Use sports mode to take sharper photos of moving people.

- 1 To open the camera, press the camera key.
- 2 Make sure you are in the Scenes shooting mode. To switch the mode, select  > **Scenes**.
- 3 Select .

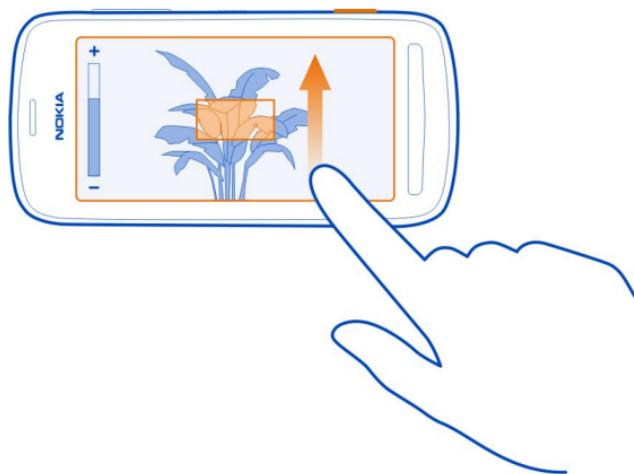
Record videos

Record a video

Besides taking photos with your phone, you can also capture your special moments as videos.

To open the camera, press the camera key.

- 1 To switch from photo mode to video mode, if necessary, select .
- 2 To start recording, press the camera key.
- 3 To zoom in, place a finger on the screen, and slide it up. When the frame includes the area you want to zoom in to, lift your finger. To zoom out a bit, place a finger on the screen, and slide it down. To fully zoom out, slide your finger past the bottom edge of the screen.



You can also use the volume keys to zoom – you may find it easier to change the zoom level.

4 To stop recording, press the camera key.

The videos are saved in Gallery. To quickly view the video you've recorded, select > . To view the previous photo or video, swipe right.

Tip: You can send your video in a multimedia or mail message. To limit the video size for sending, before recording, select > Creative > Resolution, and select a small enough size, such as 360p.

Video tips

To open the camera, press the camera key.

- For best results, close any open apps before recording.
- Record to your phone mass memory, if possible.
- If recording videos to a memory card, for best performance, use a compatible, fast, high-quality microSD card. For 360p and 720p videos, the recommended microSD card class is 4 (32 Mbit/s (4 MB/s)) or higher. For Full HD (1080p) videos, a class 6 (80 Mbit/s (10 MB/s)) memory card is recommended.

Before first use, back up any important content on the card, then use the phone to format the card, even if the card has previously been formatted or used in a Nokia phone. Formatting deletes all content on the card.

If the memory card gets slower over time, back up any important content on the card, then use the phone to format the card.

Send a photo or video

A picture can say more than words. Send a photo or video of that special moment or important info you need to get across in a multimedia or mail message, or using Bluetooth.

Send in a multimedia or mail message

- 1 Take a photo or record a video.
- 2 Select the camera roll , tap the screen to show the toolbar, and select  > **Send**.
- 3 Select **Via message** or **Via mail**.
- 4 To add a contact as a recipient, select **To**. You can also write the recipient's name, phone number, or address in the **To** field.
- 5 Select .

It can be slow and cost more to send large photo and video files. To limit the size for sending, before taking a photo or recording a video, select  > **Creative** > **Resolution**, and select a small enough size, such as **2 MP** or **360p**.

Send using Bluetooth

- 1 Take a photo or record a video.
- 2 Select the camera roll , tap the screen to show the toolbar, and select  > **Send** > **Via Bluetooth**.
- 3 Select the phone or device to connect to, or search for more devices. If the other phone or device asks for a passcode, type in the passcode.

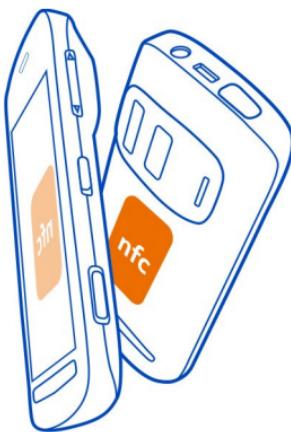
Tip: You can also send photos and videos from Gallery. Select a photo or video, tap the screen to show the toolbar, and select  > **Send**.

Send a photo or other content to another phone that supports NFC

You can share your own photos, videos, contacts, and My Card when you touch another compatible phone that supports NFC.

Share a photo

- 1 Select the photo in Gallery.
- 2 Touch the NFC area of the other phone with the NFC area of your phone. The photo is sent using Bluetooth.



The location of the NFC area may vary. For more info, see the user guide of the other phone.

Share a photo or video directly from the camera

Want to share the best shots with your friends? Upload your photo or video to a social networking service right after taking it.

- 1 To open the camera, press the camera key.
- 2 After taking a photo or recording a video, select , tap the screen to show the toolbar, and select  > Share.

Tip: If you're already signed in to a social networking service, you can share directly to that service. Select , tap the screen to show the toolbar, and select the service icon on the photo toolbar.

When you share your photo or video for the first time, you may need to sign in to the social networking service. You only have to sign in the first time you share something.

- 3 Add a comment if you like, and select Share.

Not all social networking services support all file formats or videos recorded in high quality.

Tip: You can also share your photos and videos with another phone that supports NFC. To share, after taking a photo or recording a video, touch the other phone with the NFC area of your phone.

Using services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

Set where to save photos and videos

If there is a memory card in your phone, you can set where to save the photos you take and videos you record.

- 1 Select  > **Settings**.
- 2 Select **Application settings** > **Camera** > **Memory in use** and an option.

Tip: You can also change the settings when using the camera. Select  and in Creative shooting mode, select **Preferences**.

Photos

About Gallery



Select  > **Gallery**.

Browse and view the photos you have taken, or watch the videos you have recorded.

You can also view the photos and videos on a compatible TV.

To find your photos and videos easily, add or edit tags in **Gallery**.

View photos and videos

Select  > **Gallery**.

Browse photos

Swipe up or down.

View a photo

Select the photo.

To view the following photo, swipe from right to left. To view the previous photo, swipe from left to right.

Zoom in

Place two fingers on the screen, and slide your fingers apart. To zoom out, slide your fingers together.



Tip: To zoom in quickly, double-tap the screen. To zoom in fully, double-tap the screen again. To zoom back out, double-tap the screen once more.

View the toolbar

Tap the screen.

Play a video

Select the video and .

View the properties of a photo or video

Open the photo or video in full screen view. Select the title that shows how many megapixels the photo is or the resolution of the video.

Photos and videos can be sent to you in a mail or multimedia message. To later view these photos and videos, save them to Gallery.

Save a photo or video to Gallery

- 1 In the multimedia message, select the photo or video.
- 2 Tap the screen, and select  > Save.

Edit or add a tag

Photos and videos are automatically tagged according to the time they were taken. You can edit or delete these tags, or add new ones yourself.

Select  > Gallery.

Edit or delete a tag

Select and hold the tag, and select **Rename tag** or **Delete tag**.

Add a tag

Select and hold the photo you want to have as the first photo in the new tag group, and select **Add tag**.

Edit a photo you have taken

You can do quick edits, such as crop, resize, fix contrast, and add effects to the photos you have taken.

- 1 Select > **Gallery** and the photo.
- 2 Tap the photo to show the toolbar, and select > **Edit**.
- 3 From the toolbar, select or .
- 4 To save the edited photo, select . The edited photo does not replace the original photo.

Tip: To quickly crop a photo, select the photo in **Gallery**, tap the screen to show the toolbar, and select . Place your finger on the screen, drag to crop the area, and select **Crop**.

Edit a video you have recorded

Cut and trim your videos down to the essentials.

- 1 Select > **Gallery** and a video.
- 2 Select > **Edit**.
- 3 Drag the start and end frames to mark the length of your video.
- 4 To preview your video, select .
- 5 To save your video, select .

Share a photo or video from Gallery

Want to upload your photos or videos to a social networking service for your friends and family to see? You can do that directly from **Gallery**.

- 1 Select > **Gallery**.
- 2 Select a photo or video, tap the screen to show the toolbar, and select > **Share**.

Tip: If you're already signed in to a social networking service, you can share directly to that service. Select , tap the screen to show the toolbar, and select the service icon on the photo toolbar.

When you share your photo or video for the first time, you may need to sign in to the social networking service. You only have to sign in the first time you share something.

3 Add a comment if you like, and select **Share**.

Tip: You can also share your photos and videos with another phone that supports NFC. To share, select a photo or video, and touch the other phone with the NFC area of your phone.

Delete photos and videos

If you've got a lot of photos and videos on your phone, you can get rid of the ones that didn't turn out so well. You can easily delete them in Gallery.

- 1 Select  > **Gallery**.
- 2 Select , mark the photos and videos, and select **Delete**.

View photos and videos on a TV

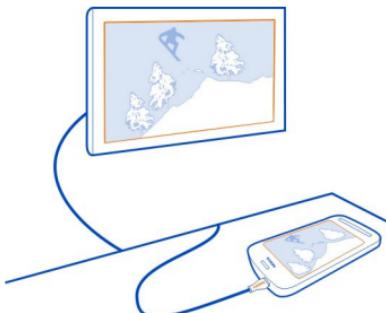
You can view photos and videos on a compatible TV, making it easier for you to show them to your family and friends.

If your TV supports HDMI, you can use a compatible HDMI Micro Connector cable (available separately) to connect your phone to your HD TV.

View photos and videos on your HD TV

Connect your phone to the TV

Connect the HDMI Micro Connector cable to the HDMI Micro Connector of your phone. Connect the other end of the cable to the HDMI connector of the TV.



If you don't see anything on the TV screen, check that the TV is using the correct HDMI input.

Move about on the TV screen

Select the arrow icons on your phone screen. To select something, select the **OK** icon.

View a photo or play a video

Select **Videos or Photos**, go to the photo or video, then select **OK**.

Go to the previous or next photo

Select the back or forward arrow.

Rotate the selected photo

Select the up or down arrow.

Start a photo slide show

When viewing a photo, select **OK**.

Pause or resume a video

Select **OK**.

Rewind or fast-forward a video

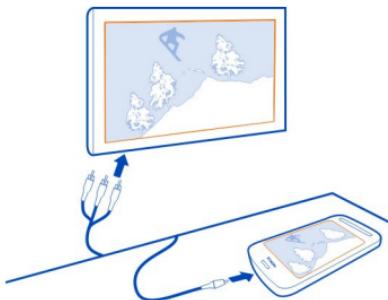
Select the back or forward arrow.

View photos and videos on your standard definition TV

You need to use a Nokia Video Connectivity Cable (available separately), and may need to change the TV-out settings and aspect ratio.

To change the TV-out settings, select  **Settings** and **Phone** > **Accessories** > **TV-Out**.

- 1 Connect a Nokia Video Connectivity Cable to the video input of a compatible TV. The colour of the plugs must match the colour of the sockets.



- 2 Connect the other end of the Nokia Video Connectivity Cable to the Nokia AV connector of your phone.
If you don't see anything on the TV screen, check that you have selected the correct input on the TV.
- 3 Select the photo or video on your phone.

Do not connect products that create an output signal, as this may damage the device. Do not connect any voltage source to the Nokia AV connector. If you connect an external device or headset, other than those approved by Nokia for use with this device, to the Nokia AV connector, pay special attention to volume levels.

Sync your photos and videos between your phone and computer

Did you take photos or record videos with your phone that you'd like to watch on your computer? Using a USB cable, you can easily sync your photos and videos between your phone and a computer.

- 1 Connect your phone to a compatible computer with a compatible USB cable.
If syncing between a memory card in your phone and a computer, make sure the memory card is in your phone.
- 2 Open Nokia Suite on your computer, then follow the instructions shown in Nokia Suite.

Back up your photos

Want to make sure that you will not lose any important photos? You can use Nokia Suite to back up your photos to your computer.

- 1 Connect your phone to a compatible computer with a compatible USB cable.
If copying between a memory card in your phone and a computer, make sure the memory card is in your phone.
- 2 Open Nokia Suite on your computer, then follow the instructions shown in Nokia Suite on how to sync Gallery.

Personalisation and Nokia Store

Profiles

About profiles

 Select  > Settings > Profiles.

Waiting for a call but can't let your phone ring? Your phone has various settings groups called profiles, which you can personalise for different events and environments. You can also create your own profiles.

You can personalise the profiles in the following ways:

- Change the ringtone and message alert tones.
- Change the volume of the ringtone and key tones.
- Mute key tones and notification tones.
- Activate vibration alerts.
- Set the phone to say the name of the contact who is calling.

Tip: Want quick access to the profiles? Add a profile widget to the home screen.

Personalise your ringtone and other tones

You can personalise your phone tones for each profile.

Select  > Settings > Profiles.

Select the profile, **Personalise**, and the desired option.

Tip: To download more ringtones from Nokia Store, select **Download sounds**. For more information, go to www.nokia.com/support.

Tip: To set your favourite song from the music player as your ringtone, select **Songs**.

Silence your phone

When the silent profile is switched on, all ringtones and alert tones are muted. Switch to this profile when you are, for example, at the cinema or in a meeting.

Swipe down from the notification area, then select **Silent**.

Change your profile for meetings

Set your phone to discreetly beep once instead of ringing, when you're in a meeting.

- 1 Select  > Settings > Profiles.
- 2 Select **Meeting** > **Activate**.

Tip: Want quick access to the profiles? Add a profile widget to the home screen.

Set a timed profile

You can activate a profile until a set time, after which the previously used profile is activated.

Select  > **Settings** > **Profiles**.

- 1 Select the desired profile, and select **Timed**.
- 2 Set the time that you want the timed profile to expire at.

Use your phone offline

In places where you do not want to make or receive calls, you may still access your music, videos, and offline games if you switch to the offline profile.

Press the power key , then select **Turn offline mode on**.

When the offline profile is switched on, your connection to the mobile network is closed. All radio frequency signals between the phone and the mobile network are prevented. If you try to send a message, it is placed in the Outbox folder, and is sent only when you switch to another profile.

You can also use your phone without a SIM. Switch the phone off, and remove the SIM. When you switch back on, the offline profile is switched on.

 **Important:** In the offline profile you cannot make or receive any calls, or use other features that require cellular network coverage. You may be able to call the official emergency number programmed into your device. To make calls, you must first change to another profile.

When the offline profile is switched on, you can still connect to a WLAN to, for example, read your mail or browse the internet. You can also use Bluetooth.

If NFC is switched on, it is on also in the offline profile. To switch NFC off, select  > **Settings and Connectivity** > **NFC**, then switch **NFC** to **Off**.

Switch the phone off when mobile phone use is not allowed or when it may cause interference or danger. Remember to comply with any applicable safety requirements.

Create a new profile

How can you make your phone meet your needs at work or college or home? You can create new profiles for different situations, and give them appropriate names.

Select  > **Settings** > **Profiles**.

Select  > **Create new**, and define your profile settings.

Tip: You can set a ringtone specifically for your profile. Select **Ringtone**.

Change your theme

 Themes can freshen up your phone – change the look and colour scheme.

- 1 Select  > **Settings** > **Themes**.
- 2 Select **General** and a theme.

Tip: To download more themes from Nokia Store, select **Download themes**. To learn more about Nokia Store, go to www.nokia.com/support.

Home screen

About the home screen

On the home screen, you can:

- See notifications or indicators of missed calls and received messages
- Open your favourite apps
- Control apps, such as the music player
- Add shortcuts for different features, such as writing a message
- View your favourite contacts, and quickly call or send messages to them

You can have more than one home screen – try separating your work and private life onto their own home screens.

Your home screen is interactive. To quickly check your calendar, select the date. To set an alarm, select the clock.

Personalise the home screen

Want to see your favourite landscape or pictures of your family in the background of the home screen? You can change the wallpaper, and rearrange items on each home screen individually, to personalise them to your liking.

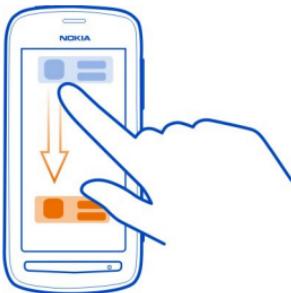
Change the wallpaper

Tap and hold an empty area on the home screen, and select **Change wallpaper**.

Tip: Download more background images from Nokia Store. For more information, go to www.nokia.com/support.

Rearrange items on the home screen

Tap and hold an item, and drag it to a new location.



Tip: You can drag and drop items between different home screens.

Add a new home screen

Select  > Add another home screen.

Add a widget to the home screen

You can add mini-applications (widgets) to your home screen, and see your most relevant information at a glance.

Tap and hold an empty area on the home screen, and from the pop-up menu, select **Add widget** and a widget.

A widget can enhance the related application, and may also change the way the application works.

Tip: You can download more widgets from Nokia Store.

Using services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

Some home screen widgets may connect to the internet automatically. To prevent this, close the mobile data connection. Swipe down from the notification area, and select .

Remove a widget from the home screen

Select and hold the widget, and select .

Add a shortcut to the home screen

Did you know that you can create shortcuts to your most used applications and features? You can add shortcuts to applications or actions, such as writing a message.

Tap and hold an empty area on the home screen, and from the pop-up menu, select **Add shortcut** and the application or action.

Switch between home screens

You can have more than one home screen. For example, create separate home screens for work and private life, and personalise them to have different content.

To switch to another home screen, swipe left or right.



... indicates your current home screen.

Add your important contacts to the home screen

Add your most important contacts to the home screen, so you can quickly call or send messages to them.

Select > **Contacts**.

Select a contact that is stored in your phone memory and > **Add to Home screen**.

Call a contact

On the home screen, select the contact, and press the call key. If the contact has more than one number, select the desired number.

Send a message to a contact

On the home screen, select the contact and **Message**.

Remove a contact from the home screen

On the home screen, select and hold the contact, and select .

The contact is removed from the home screen, but remains in your contacts list.

Organise your apps

Want to find your most used apps more quickly? In the main menu, you can organise your apps into folders, hiding your least used apps.

Select .

Create a new folder

Select  > New folder.

Move an app to a folder

Select and hold the app, then select **Move to folder** and the new folder.

Tip: To drag and drop apps and folders, in the menu, tap and hold the screen, then select **Arrange**.

Nokia Store

About Nokia Store



Select  > **Store**, then sign in to your Nokia account.

Did you know that you can personalise your phone with more apps? Or download games, also free of charge? Browse the Nokia Store to find the latest content that is designed specifically for your phone.

You can download:

- Games
- Apps
- Videos
- Themes and wallpapers
- Ringtones

You can also get content that is relevant to your tastes and location.

To download from Nokia Store, you need a Nokia account.

When you sign in, you are offered content compatible with your phone.

You can search for and download content directly on your phone, or browse Nokia Store on your compatible computer and send links to content to your phone as a text message.

Some items are free of charge; others you need to pay for with your credit card or on your phone bill.

The availability of payment methods depends on your country of residence and your network service provider.

To learn more about Nokia Store, go to www.nokia.com/support.

Search Nokia Store

Check out the latest and most downloaded apps or games, and items recommended for you and your phone. You can browse the different categories, or search for a specific item.

- 1 Select  > **Store**, then sign in to your Nokia account.
- 2 Select .
- 3 Write search words in the search field, then select .

When you view an item, related items are also shown.

Tip: To see what others have to say about an item, take a look at the reviews. You can also see a description, the price, and the size of the download.

Download a game, app, or other item

Download free games, apps, or videos, or buy more content to your phone. From Nokia Store, you can find content designed specifically for your phone.

- 1 Select  > **Store**, then sign in to your Nokia account.
- 2 Select the item.
- 3 If the item has a price, select **Buy**. If the item is free, select **Download**.
- 4 You can pay with a credit card, or, if available, on your phone bill.
To save your card details to your Nokia account, select **Add**.
- 5 Select **Pay**.
- 6 To confirm, type in your Nokia account username and password, then select **Continue** to start downloading.

When the download is complete, you can open or view the item. You can continue browsing for more content while downloading.

The content type determines where the item is stored in your phone. To change the default location, select  > Installation preferences and where you want to store items.

Tip: Use a WLAN connection to download larger files, such as games, apps, or videos.

Tip: To avoid typing in your payment card details over and over when buying items from Nokia Store, save your details to your Nokia account. You can add more than one payment card, and choose which one to use when buying.

The availability of payment methods depends on your country of residence and your network service provider.

For more info on an item, contact the publisher of the item.

View your downloads

While an item is downloading, you can continue to browse for other content and add items to your download queue.

- 1 Select  > **Store**, then sign in to your Nokia account.
- 2 Select .

You can see the status of currently downloading items in the New downloads section. One item is downloaded at a time, and pending items wait in your download queue.

Previously downloaded items are shown in the Download history section.

Tip: If you need to, for example, temporarily close your WLAN connection, select the downloading item, then in the details view, select **Pause**. To resume downloading, select **Resume**. Pause pending items individually.

If a download fails, you can re-download the item.

Rate and review an item

Do you want to share your opinion on an item with other Nokia Store users? Rate the item, and write your own review.

You can post one review per item that you have downloaded.

- 1 Select the item and **Review**.
- 2 Rate the item and write your review, then select **Submit**.
If you want to edit your review, select **Edit review**.
- 3 To publish your review, select **Submit**.

Help us keep Nokia Store clean, and report if you find inappropriate content. Select **Report abuse** and the reason. Give additional details, if needed.

Telephone

Call a phone number

- 1 On the home screen, select  then type in the phone number.
To delete a number, select .
To type in the + character, used for international calls, select * twice.
- 2 Press the call key.
- 3 To end the call, press the end key.

Switch the loudspeaker on during a call

To allow others in the room to join in with a call, switch the built-in loudspeaker on.

Select .

When you make or receive a video call, the loudspeaker is automatically switched on.

Switch the loudspeaker off

Select .

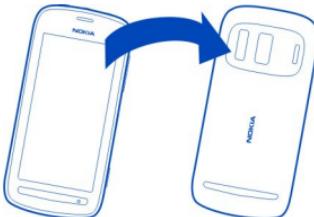
Turn to silence your phone

If your phone rings in a situation where you do not want to be disturbed, you can turn the phone to silence the ringtone.

Switch the turn to silence feature on

Select  > **Settings and Phone** > **Sensor settings** > **Silence calls** > **On**.

When your phone rings, turn your phone face down.



Call a contact

- 1 Select  > Contacts.
- 2 To search for a contact, select , then write the first letters or characters of the first or second name in the search field.
- 3 Select the contact.
- 4 In the contact card, select **Voice call**.
- 5 If the contact has more than one phone number, select the number you want to call.

Answer a waiting call

You can answer a call when you're already in another call. Call waiting is a network service.

Press the call key. The first call is put on hold.

Switch on or off, or check the status of the service

Select  > Settings and Calling > Call > Call waiting > Activate, Deactivate, or Check status.

Swap between an active call and a call on hold

Select  > Swap.

End an active call

Press the end key.

End both calls

Select  > End all calls.

Make a video call

Do you have friends or family that you don't see in person very often? For a face-to-face chat, why not make a video call to them?



Video calls are a network service, and to make a video call, you need to be in a 3G network.

For info on availability and costs, contact your network service provider.

Video calls can only be made between two parties. Video calls cannot be made while another voice or video call is active.

Make a video call to a contact

- 1 Select  > Contacts and the contact.
- 2 In the contact card, select **Video call**.

The front camera is used by default for video calls. Starting a video call may take a while.

The video call is active when you see two videos, and hear the sound through the loudspeaker. If the call recipient does not want to send video, you only hear the voice of the caller, and may see an image or a blank screen.

- 3 To end the video call, press the end key.

Make a video call to a phone number

- 1 On the home screen, select  then type in the phone number.
- 2 Select  > Video call.

Answer a video call

When a video call arrives,  is shown.

- 1 Press the call key.
- 2 To start sending live video, select **Yes**.

When you answer the video call, the loudspeaker is automatically switched on.

If you do not start sending video, you only hear the voice of the caller. A grey screen replaces your own video.

Start sending live video during a video call

Select  > Enable > Sending video.

Replace the grey screen with a photo

- 1 Select  > Settings and Calling > Call > Image in video call.
- 2 Select User defined and the photo.

Decline a video call

When a video call arrives,  is shown.

Press the end key.

Make a conference call

You can have a conference call with up to six people, including yourself. Conference calls are a network service.



Video conference calls are not supported.

- 1 Make a call to the first person.
- 2 To make a call to another person, select . Type in the phone number, or to search for a contact, select . The first call is put on hold.
- 3 When the new call is answered, select  > Conference.

Add another person to a conference call

Call the person, then select .

Have a private conversation with one person in the conference call

Select  > Show participants. Go to the person, then select . The conference call is put on hold on your phone. The other people continue the conference call.

To return to the conference call, select  > Conference. Or, if there are more than three people in the call, select .

Drop someone from a conference call you have started

Select  > Show participants. Go to the person, then select .

End an active conference call

Press the end key.

Call the numbers you use the most

You can quickly call your friends and family when you assign your most-used phone numbers to the number keys of your phone.

Select  > Settings and Calling > Speed dialling.

Assign a phone number to a number key

1 Select the number key to which you want to assign the phone number.

1 () is reserved for the voice mailbox.

2 Select the contact from your contacts list.

Remove or change a phone number assigned to a number key

Select and hold the assigned key, and from the pop-up menu, select Remove or Change.

Make a call

On the home screen, select , then select and hold the assigned number key.

Use your voice to call a contact

You can use your voice to make calls or control your phone.

Voice commands are not dependent on the speaker's voice. Commands are automatically created by your phone.

When adding contacts or editing voice commands, do not use very short or similar names for different contacts or commands.

! Note: Using voice tags may be difficult in a noisy environment or during an emergency, so you should not rely solely upon voice dialling in all circumstances.

When you use voice dialling, the loudspeaker is in use. Hold the phone a short distance away when you say the voice command.

- 1 On the home screen, press and hold the call key. If a compatible headset with the headset key is attached, press and hold the headset key.
- 2 A short tone sounds, and **Speak now** is shown. Say clearly the name that is saved for the contact.
- 3 The phone plays a synthesised voice command for the recognised contact in the selected phone language, and shows the name and number. To cancel the voice dialling, select **Quit**.

Listen to a voice command for a contact

- 1 Select a contact and  > **Voice tag details**.
- 2 Select a contact detail.

If several numbers are saved for a name, you can say also the name and the number type, such as mobile or telephone.

Call the last dialled number

Trying to call someone, but they are not answering? It's easy to call them again. In the call log, you can see info about the calls you have made and received.

On the home screen, press the call key, then select the number or contact.

Record a phone conversation

You can record your phone conversations.

- 1 During a voice call, select  > **Go to Home screen**, then select  > **Recorder**.
- 2 To start recording, select .
- 3 To stop recording, select .

You cannot use the recorder during a data call or when a GPRS connection is open.

View your missed calls

On the home screen, you can see when you have missed calls. The number of all missed events, including missed calls and received messages, is shown.

To view the phone number, swipe down from the notification area, then select the missed calls notification. The caller's name is shown if stored in the contacts list.

Call back the contact or number

Select the contact or number.

View the missed calls list later

On the home screen, press the call key, then open the missed calls tab .

Call your voice mailbox

You can forward calls to your voice mailbox, where callers can leave you a message if you don't answer. Voice mailbox is a network service.

On the home screen, select  and select and hold **1**.

Change the phone number of your voice mailbox

- 1 Select  > Settings and Calling > Call mailbox.
- 2 Select and hold the mailbox, and select **Change number**.
- 3 Type in the number (ask your network service provider for it), and select **OK**.

Allow calls only to certain numbers

You can allow calls only to family members or other key phone numbers, and block all other phone numbers.

Select  > Contacts and  > SIM numbers > Fixed dialling numbers.

Not all SIMs support the fixed dialling service. You need your PIN2 code from your service provider.

Switch fixed dialling on

Select  > Activate fixed dialling, then type in the PIN2 code.

Select the people to whom calls are allowed

- 1 Select  > New SIM contact.
- 2 Type in the PIN2 code.
- 3 Write the contact name and phone number to which calls are allowed, then select .

To add a contact from the contacts list to the fixed dialling list, select  > Add from Contacts and a contact.

To send a text message to a SIM contact while the fixed dialling service is active, you need to add the text message centre number to the fixed dialling list.

Contacts

About Contacts



Select > Contacts.

You can save and organise your friends' phone numbers, addresses, and other contact information. If you want to keep in touch with your most important contacts easily, you can set them as favourites.

Save phone numbers and mail addresses

You can save your friends' phone numbers, mail addresses, and other information to your contacts list.

Select > Contacts.

Add a contact to the contacts list

- 1 Select .
- 2 Select a contact detail, and fill in the field.
- 3 When you have added the details, select .

Edit contact information

- 1 Select a contact and .
- 2 Select a contact detail, and modify the information.
- 3 When you have edited all the necessary details, select .

Add more details to a contact card

Select a contact, > , and the desired contact detail.

Save a number from a received call or message

Have you received a call or a message from a person whose phone number is not yet saved in the contacts list? You can easily save the number in a new or existing contact list entry.

Save a number from a received call

- 1 On the home screen, press the call key.
- 2 Open the Received calls tab .
- 3 Select and hold a phone number, and from the pop-up menu, select **Save to Contacts**.
- 4 Select whether you want to create a new contact list entry or update an existing one.

Save a number from a received message

- 1 Select  > Messaging.
- 2 In the Conversations list, select and hold a message, and from the pop-up menu, select Save to Contacts.
- 3 Select whether you want to create a new contact list entry or update an existing one.

Contact your most important people quickly

You can set your most important contacts as favourites. Your favourites are at the top of the Contacts list, so you can contact them quickly.

Select  > Contacts.

Set a contact as a favourite

Select and hold a contact, and from the pop-up menu, select Add to favourites.

Remove a contact from favourites

Select and hold a contact, and from the pop-up menu, select Remove from favourites. The contact is not deleted from your standard contacts list.

Add your important contacts to the home screen

Add your most important contacts to the home screen, so you can quickly call or send messages to them.

Select  > Contacts.

Select a contact that is stored in your phone memory and  > Add to Home screen.

Call a contact

On the home screen, select the contact, and press the call key. If the contact has more than one number, select the desired number.

Send a message to a contact

On the home screen, select the contact and Message.

Remove a contact from the home screen

On the home screen, select and hold the contact, and select .

The contact is removed from the home screen, but remains in your contacts list.

Add a photo for a contact

Want to see quickly who is calling you? Add a photo for a specific contact.

Select  > Contacts.

- 1 Select a contact.
- 2 Select  next to the contact's name, then select Add image.
- 3 Select a photo from Gallery.

Change or remove a photo

Select the photo and Change image or Remove image.

Set a ringtone for a contact

Want to be able to hear that a particular person is calling you? You can set a ringtone specifically for that person.

Select  > Contacts.

- 1 Select a contact and .
- 2 Select Ringtone and a ringtone.

Create a contact group

If you add your family members or friends to a contact group, you can easily send a message to all of them at the same time.

- 1 Select  > Contacts.
- 2 Open the  tab, then select .
- 3 Write a name for the group, then select OK.
- 4 On the  tab, select the group and  > Add members.
- 5 Mark the contacts you want to add to the group, then select Select.

Send a message to a group of people

Would you like to send a message to all your family members quickly? If you have assigned them to a group, you can send a message to all of them at the same time.

Select  > Contacts.

- 1 Open the  tab.
- 2 Select and hold a group title, and from the pop-up menu, select Create message.

Send your contact information using My Card

My card is your electronic business card. With My card, you can send your contact information to others.

Select  > Contacts.

Send your contact information as a business card

- 1 Select and hold My card, and from the pop-up menu, select Send as contact card.
- 2 Select the sending method.

Edit your contact information in My Card

- 1 Select My card.
- 2 Select  and the detail to edit.
- 3 To add more details, select .

Copy contacts from the SIM card to your phone

If you have contacts stored on your SIM card, you can copy them to your phone. You can add more details to contacts that are stored on your phone, such as alternative phone numbers, addresses, or a picture.

Select  > Contacts.

Select  > SIM numbers > Copy all to phone.

Back up your contacts to Nokia services

If you back up your contacts to Nokia services, you can easily copy your contacts to a new phone. If your phone is stolen or damaged, you can still access your contacts list online.

Select  > Contacts.

Select  > Nokia Sync > Sync now.

If you allow automatic syncing, all the changes you make in the contacts list are automatically backed up to Nokia services.

You need a Nokia account to use Nokia services. You are asked to create an account, if you access a Nokia service using your phone.

If you use Nokia Sync to automatically sync your contacts, do not allow contact syncing with any other service as there may be conflicts. Nokia Sync for contacts is not available if you sync contacts in Mail for Exchange.

Social networks

About Social

 Select  > Social, then sign in to the social networking services that you use.

To power up your social networking experience, use the Social app. When signed in to social networking services through the Social app, you can do the following:

- See your friends' status updates from multiple services in one view
- Post your own status update to multiple services at the same time
- Share photos you take with the camera
- Share videos you record with your phone
- Link your online friends' profiles to their contact info in your phone
- Add events from the service calendar to your phone calendar

Only those features that are supported by the social networking service are available.

Using social networking services requires network support. This may involve the transmission of large amounts of data and related data traffic costs. For information about data transmission charges, contact your network service provider.

The social networking services are third party services and not provided by Nokia. Check the privacy settings of the social networking service you are using as you may share information with a large group of people. The terms of use of the social networking service apply to sharing information on that service. Familiarise yourself with the terms of use and the privacy practices of that service.

See your friends' status updates in one view

When you are signed in to social networking services through the Social app, you can see your friends' status updates from all those services in a single view. You do not have to switch between different apps to see what everyone is up to.

- 1 Select  > **Social**.
- 2 Select a service, then sign in.
- 3 Select  > **My Accounts** > **Add social network**.
- 4 Select another service, then sign in.
- 5 Select  > **All Activity**.

All the feeds from the services you have added are automatically included in the view.

Post your status to social networking services

With the Social app, you can post your status update to social networking services.

- 1 Select  > **Social**, then sign in to the social networking services that you use.
- 2 Select  > **All Activity**.
- 3 Write your status update in the text field.

Link your online friends to your contacts list

You can link your online friends' profiles from social networking services to their contact info in your phone. After linking, you can view their contact info directly from the Social app, and see their latest status updates in your contacts list.

- 1 Select  > Social.
- 2 Select an online friend's profile picture and **Link Profile to Contact**.
- 3 From your contacts list, select the contact to which to link the profile.

See your friends' status updates on the home screen

With the Social widget, you can see your online friends' status updates directly on the home screen when you're signed in to social networking services through the Social app.

Add the Social widget to the home screen

Select and hold an empty area on the home screen, then select **Add widget** > Social.

Open the Social app from the home screen

On the home screen, select the Social widget. If you're signed in, the status updates view opens. If you're not signed in, the sign-in view opens.

Upload a photo or video to a service

Use the Social app to upload your photos or videos to social networking services.

- 1 Select  > Social, then sign in to a social networking service.
- 2 Select .
- 3 Select whether to upload a photo or video.
- 4 To mark the items to upload, select the items.
The maximum file size is 4 MB for photos and 10 MB for videos.
- 5 If uploading a single photo, you can add a caption and a tag with a comment to a particular section of the photo.
To upload a video, the feature needs to be supported by the social networking service, and you need to use a WLAN connection.
- 6 Select .

Take a photo and upload it

- 1 Select .
- 2 Select the option for uploading a photo from the camera.
- 3 Take a photo.
- 4 Add a caption and a tag with a comment to a particular section of the photo.

Contact a friend from a social networking service

When commenting your friend's status is not enough, you can call or send a message to the friend.

- 1 Select  > Social.
- 2 Select a friend's profile picture, then select the communication method.

This feature is available if you have linked your online friends to their contact info in your phone, or if your friends have added their own contact info to their details in the service.

The available communication methods vary. To call or send a text message to a friend, the feature needs to be supported by the service.

Add an event to your phone calendar

When responding to invitations to events in a social networking service, you can add the events to your phone calendar, so you can view upcoming events even if you are not online.

Select  > Social and a service, and sign in.

- 1 Select an invitation to an event.
- 2 Add the event to your phone calendar.

This feature is available only if supported by the service.

Messages

About Messaging

 Select  > Messaging.

You can send and receive various kinds of messages:

- Text messages
- Audio messages
- Multimedia messages that contain pictures and videos
- Group messages

Messaging requires network support.

Send a message

Keep in touch with your family and friends through text and multimedia messages.

- 1 Select  > **Messaging** and .
- 2 To add a contact as a recipient, select **To**. You can also type in a phone number.
- 3 Write your message in the text box, then select .

Tip: To include an attachment, such as a photo or video, select .

- 4 Select .

Tip: To send a message to a contact from your contacts list, select and hold a contact, then select **Send message**.

Sending a message with an attachment may be more expensive than sending a normal text message. For more information, contact your service provider.

You can send text messages that are longer than the character limit for a single message. Longer messages are sent as two or more messages. Your service provider may charge accordingly.

Characters with accents, other marks, or some language options, take more space, limiting the number of characters that can be sent in a single message.

If a text message is very long, it may be converted to a multimedia message. If you want to send the message as a text message, select  > **Sending options** > **Message type** > **Text**.

If you send a text message to one or more recipients, and the contact information of one of the recipients is a mail address instead of a phone number, the text message is converted to a multimedia message.

If the item you insert in a multimedia message is too large for the network, the device may automatically reduce the size.

Only compatible devices can receive and show multimedia messages. Messages may look different in different devices.

Read a received message

When someone sends you a message, a notification is shown on the home screen. You can open the message directly from the home screen.

Select **Show** to open the message.

Messages are combined into conversations, containing all the messages to and from a contact in a single view. To read a conversation, select it from the list in the **Messaging** view.

Reply to the message

- 1 With the message open, select .
- 2 Write your reply, then select  > .

Tip: To quickly reply to a message, select **Tap to write**.

Forward the message

- 1 With the message open, select  > **Forward**.
- 2 To add a contact as a recipient, select **To**. You can also type in a phone number.
- 3 Edit the message if needed, then select  > .

Save an attached photo or other file

- 1 In the conversation, select the message containing the file.
- 2 Select and hold the file, then select **Save** and a memory. Files are saved to their respective apps, such as **Gallery**.

Read the message later

- 1 Select  > **Messaging**.
- 2 Select the conversation containing the message.
- 3 Select the message.

Send an audio message

You can record a sound clip, such as a birthday song, and send it to your friend as an audio message.

- 1 Select  > **Messaging**.
- 2 Select .
- 3 To add a contact as a recipient, select **To**, a contact and . You can also type in a phone number.
- 4 To add a sound clip as an attachment, select  >  and the sound clip.
To record a new sound clip, select  > , then record the new clip.
- 5 Select .

Change the writing language

You can change the language in which you write your messages and mails.

- 1 Select  > **Settings and Phone** > **Language**.
- 2 Select **Writing language**.

Mail

About Mail

 Select  > Mail.

You can automatically transfer mail from your existing mail address to your phone, and read, respond to, and organise your mail on the go. You can add several mailboxes to your phone and access them directly from your home screen.

Sending or receiving mail on your phone may be chargeable. For information on possible costs, contact your service provider.

Mail is a network service, and may not be available in all regions.

Add a mailbox

Do you use more than one mail address? You can have several mailboxes in your phone. Mail is a network service.

Select  > Mail.

When you open the Mail app for the first time, your phone asks you to create a mailbox. If you accept, follow the instructions shown on the phone.

If you want to use your business mail with your phone, set up the mail using Exchange ActiveSync. For the setup, you need the name of your Microsoft Exchange Server and network domain. For more info, contact your Mail for Exchange administrator.

Add a mailbox later

You can also create a mailbox later. Select **Mail** > **New mailbox**, then follow the instructions shown on the phone.

Tip: If you add a mail widget to your home screen, you can easily access your mail directly from the home screen.

Delete a mailbox

Select and hold the mailbox, then select **Delete mailbox**.

Read a received mail

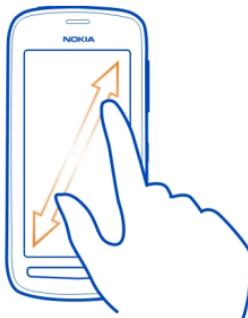
You can use your phone to read and reply to mail.

Select  > Mail.

Select the mailbox and the mail.

Tip: To quickly read new mail, add a mail widget to your home screen.

Tip: To zoom in or out, place two fingers on the screen, then slide them together or apart.



Open or save an attachment

Select the attachment and Open or Save. If there is more than one attachment, you can save them all at once.

Reply to the mail

- 1 Select  > .
- 2 Write your reply, then select .
- 3 Select .

Forward the mail

- 1 Select  > .
- 2 Type in the mail address. To add a recipient from your contacts list, select .
- 3 Edit the message, if you want, then select .
- 4 Select .

Tip: If your mail contains a web address and you would like to open the address in the phone browser, select the address.

Read the next or previous mail in the mailbox

Use the arrow icons.

Send a mail

Would you like to send a mail while on the go? With your phone, you can read and send mail, even when not sitting at your desk.

Select  > Mail and a mailbox.

- 1 Select .
- 2 Type in the mail address. To add a recipient from your contacts list, select . To add a Bcc field, select  >  > Other recipient fields > Show Bcc field.
- 3 Write the subject and your message, then select .

Tip: To add an attachment, select .

- 4 Select .

Respond to a meeting request

You can open and save or accept meeting requests. When you save or accept a meeting request, it appears in your calendar.

Meeting requests are handled in the Exchange ActiveSync mailbox.

Select  > Mail and the Exchange ActiveSync mailbox.

Open the meeting request, and save it to your calendar or, if available, select  Accept,  Decline, or  Tentative.

Check your availability

Select  > View calendar.

To edit, reply, or forward an accepted meeting request, open the request in your calendar.

The available options may vary.

Open mail from the home screen

You can have several mail widgets on your home screen, depending on your phone.

Each mail widget contains one mailbox, showing the three latest received mails. You can open the mails directly from the widget.  means that new mail has arrived.

Tip: To see more mails, scroll down.

Add a mail widget to the home screen

On the home screen, tap and hold an empty area, then select **Add widget** and the mail widget. If you have more than one mailbox, select which one to use.

Tip: For a more compact widget, showing only the mailbox name and  when new mail has arrived, select **Add widget > Mail, new arrival**.

Internet

About the web browser



Select  > Web.

Catch up on the news, and visit your favourite websites. You can use your phone web browser to view web pages on the internet.

 **Note:** The XHTML browser in this device supports the Unicode encoding format.

To browse the web, you must be connected to the internet.

Browse the web

Select  > Web.

Tip: If you don't have a flat-rate data plan from your network service provider, to save data costs in your phone bill, you can use a WLAN to connect to the internet.

Go to a website

Write a web address in the address bar, then select .

Search the internet

Write your search word in the address bar, then select the search word below the address bar.

Zoom in or out

Place two fingers on the screen, then slide your fingers together or apart.

Send a web link

Tap and hold a web page, then select **Send** and how you want to send the link.

Open a new browser window

Select  > .

Switch between browser windows

- 1 Select .
- 2 Swipe left or right, then select a window.

A cache is a memory location that is used to store data temporarily. If you have, or have tried to, access confidential info or a secure service, requiring passwords, clear the cache after each use.

Empty the cache

Select  > Settings > Privacy > Clear privacy data > Cache.

Add a bookmark

If you visit the same websites all the time, add them to your bookmarks, so you can easily access them.

Select  > Web.

While browsing, tap and hold the web page, then select **Add bookmark**.

Go to a bookmarked website while browsing

Select  >  and a bookmark.

Tip: You can also add bookmarks to the main menu of your phone. While browsing, tap and hold the web page, then select **Install as application**.

Subscribe to a web feed

You don't have to visit your favourite websites regularly to keep up with what's new on them. You can subscribe to web feeds and get links to latest content automatically.

Select  > Web.

Web feeds on web pages are usually marked with . They are used to share, for example, the latest news headlines or blog entries.

- 1 Go to a blog or web page that contains a web feed.
- 2 Tap and hold the web page, then select **Add feed**.

Update a feed

In the Web feeds view, select and hold the feed, then select **Refresh**.

Set a feed to automatically update

In the Web feeds view, select and hold the feed, then select **Edit > Automatic updates**.

Allow a website to use your location info

Select  > Web.

Websites may ask to access your current location info to, for example, personalise the info they show you. If you allow a website to use your location info, your location may be visible to others, depending on the website. Read the privacy policy of the website.

If asked, select **Allow once** or **Always allow**.

Remove access to location info from a website

- 1 Select  > Settings > Privacy > Location permissions.
- 2 Tap and hold a website, then select **Delete**.

Remove access to location info from all websites

Select  > Settings > Privacy > Clear privacy data > Location permissions.

Unreadable characters while browsing the web

Select  > Web.

If unreadable characters are shown, select  > Settings > Page > Default encoding and the correct encoding for the character set of the language.

Access an online service using NFC

When you touch an NFC tag that contains a web address with the NFC area of your phone, the website opens in your phone web browser.



Tip: NFC tags can also contain information such as a phone number or business card. When you see a phone number in an advertisement that supports NFC, to call the number, touch the tag.

Entertainment

Music player

About the music player

 Select  > Music player.

You can use your phone's music player to listen to music and podcasts while on the move.

Play music

Select  > Music player.

- 1 Select , ,  or  to view songs, artists, albums, or genres.
- 2 Select a song or album.

Tip: To listen to the songs in a random order, select .

Pause and resume playback

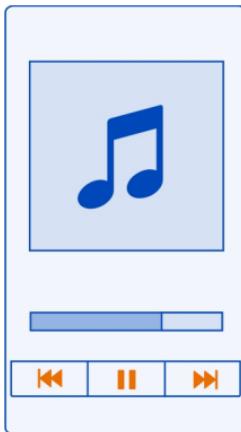
To pause playback, select ; to resume, select .

Fast-forward or rewind a song

Select and hold  or .

Play a song on repeat

Select .



Tip: When listening to music, you can return to the home screen, leaving the music playing in the background.

Create a playlist

Want to listen to different music for different moods? With playlists, you can create selections of songs to play in a specific order.

Select  > **Music player**.

- 1 Select and hold a song, album, or genre, then select **Add to playlist**.
- 2 Select a playlist, or select **New playlist** to create a new one.

Play a playlist

Select  and a playlist.

Remove a song from playlist

In the playlist view, select and hold the song, then select **Remove**.

This does not delete the song from the phone; it only removes it from the playlist.

Tip: Music player automatically creates a playlist for songs that are most played, recently played, never played, and recently added.

View lyrics when listening to a song

To view lyrics during playback, copy the lyrics files into the same folder as the music files. The lyrics file names must match the corresponding music file names.

The music player supports basic and enhanced LRC formats, and also lyrics that are embedded in a song, using the ID3v2 metadata format.

This app is provided for personal use of legally obtained content only.

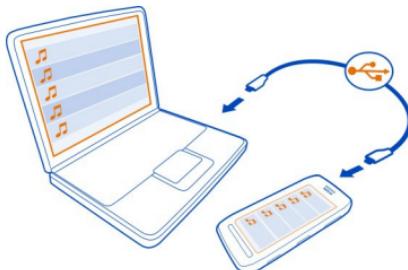
Play a podcast

- 1 Select  > Music player.
- 2 Select  > Podcasts.
- 3 Select the podcast. If a podcast has been partially played, it continues playing from the position it was previously stopped.

Tip: When listening to a podcast, you can return to the home screen, leaving the Music player app playing in the background.

Sync music between your phone and PC

Do you have music on your PC that you want to listen on your phone? Nokia Suite is the fastest way to copy music to your phone, and you can use it to manage and sync your music collection.



- 1 Connect your phone to a compatible computer with a compatible USB cable.
- 2 On your phone, swipe down from the notification area, then select **USB** > **Nokia Suite**.
- 3 On your computer, open Nokia Suite. Make sure you have the latest version of Nokia Suite.
- 4 Drag and drop your music to your phone. For more information, see the Nokia Suite help.
- 5 In Music player, select  > **Music library** > **Refresh**.

Download the latest version of Nokia Suite from www.nokia.com/support.

Some music files can be protected by digital rights management (DRM) and cannot be played on more than one device.

Record sounds

Select  > Recorder.

Record a sound clip

Select .

Stop recording

Select . The sound clip is automatically saved to the Sound files folder in the Files application.

Send a recorded sound clip as an audio message

Select  > Send.

FM radio

About the FM radio

 Select  > FM radio.

You can listen to FM radio stations using your phone. Just plug in a headset, and select a station.

To listen to the radio, you need to connect a compatible headset to the device. The headset acts as an antenna.



It is not possible to listen to the radio through a Bluetooth headset.

You can listen to the radio even when offline mode is activated in your phone and you do not have cellular network coverage. The quality of the radio broadcast depends on the FM radio signal coverage at your location.

You can make or answer a call while listening to the radio. The radio is automatically muted during an active call.

Find and save radio stations

Search for your favourite radio stations, and save them, so you can easily listen to them later.

Select  > FM radio.

The first time you use the FM radio, the app automatically searches for available radio stations. If no stations are found, you can set a frequency manually. You can also use the automatic scanning feature later.

Set a frequency manually

1 Select  >  > Tune stations manually.

2 To set the frequency, select the up or down arrows. The supported frequency range is 87.5–108.0 MHz.

Scan for all available stations

Select  > .

Listen to the radio

Enjoy your favourite FM radio stations on the go!

Select  > FM radio.

Go to the next or previous station

Select  or .

View all available stations

Select .

Scan for another available station

Select and hold  or .

Tip: To easily access the radio, add the radio widget to the home screen.

Reorder the list of saved stations

You can reorder the list of saved stations, so that your favourites are at the top.

Select  > FM radio.

The stations you have saved are listed in the Station list view.

Move a station on the list

1 From the toolbar, select .

- 2 Select and hold the station title, and from the pop-up menu, select **Move**.
- 3 Select the new place on the list.

Play a game with a friend using NFC

Want to have fun playing games with a friend? If you and a friend both have a compatible phone that supports NFC, you can play games against each other.

- 1 Open a game that supports NFC.
- 2 Follow the in-game instructions.

Pay with your phone

Forgot your wallet or purse at home? Not a problem – you can pay with your phone or use it as a ticket, if supported by your network service provider.

To find out which services are available in your area, contact your network service provider. You need a SIM that supports NFC. The services are tied to your SIM.

Get started

- 1 To activate the service, contact your network service provider.
- 2 Select  > **Settings**.
- 3 Select **Connectivity** > **NFC** > **Cards** > **On**.

Set your phone to ask before allowing any card transactions

Select **Ask before using cards** > **Yes**.

 **Note:** If this setting is off, your phone doesn't ask for confirmation before allowing card transactions, not even when your phone or keys and screen are locked.

Pay with your phone

- 1 Touch the reader with the NFC area of your phone.
- 2 To allow the card transaction, select **Yes**. After the confirmation, you have a short time to make the payment.
- 3 Touch the reader again. Your service provider may ask you to confirm the payment.

Using your service provider's compatible Near Field Communication (NFC) payment or ticketing services with this phone requires a service subscription with your service provider and the installation of your service provider's app. Payment and ticketing apps and services are provided by third parties. Nokia does not provide any warranty or take any responsibility for any such apps and services including end user support, functionality or any monetary transactions or loss of monetary value. Back up your phone and contact your service provider before providing your phone for repair or maintenance to ensure the availability of the payment or ticketing services after repair.

or maintenance. You may need to reinstall the third-party payment or ticketing app after the repair or maintenance. For any questions about payment or ticketing apps and services, contact your service provider.

Videos

About Videos

 Select  > Videos.

You can browse, download, and watch videos on your phone when out and about.

Tip: Get new videos from Nokia Store. For more information, go to www.nokia.com/support.

Using services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

Play a video

Select  > Videos.

To browse your video collection, open the  tab. To browse the videos you have recorded, select  > Gallery.

To browse video services, open the  tab.

If you connect your phone to an HD TV, you can watch videos on the big screen.

Watch a video

Select a video to play. To use the video player controls, tap the screen.

Watch a video with surround sound

Connect compatible headphones to your phone, then select  to switch the Dolby™ Headphone feature on.

Pause or resume playback

Select  or .

Fast-forward or rewind

Select and hold  or .

Copy your videos between your phone and computer

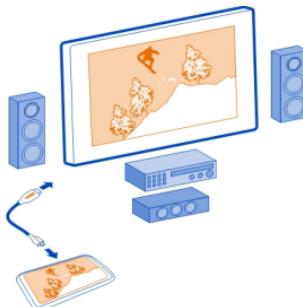
Have you recorded videos with your phone that you want to watch on your computer? Or do you want to copy your videos from your phone to your computer? Use a compatible USB data cable to copy your videos between your phone and a computer.

- 1 Use a compatible USB data cable to connect your phone to a computer. If copying between a memory card in your phone and a computer, make sure the memory card is inserted.
- 2 Open Nokia Suite on your computer, and follow the displayed instructions.

Connect to a high definition system

Connect to your home theatre

Enjoy high definition videos with Dolby Digital Plus 5.1 multichannel audio for an immersive surround sound experience.



- 1 Connect your phone to your compatible home theatre with an HDMI™ Micro Connector cable (available separately).
The home theatre needs to support the HDMI 1.4 standard and be able to pass through video to your TV over HDMI.
- 2 Set the home theatre to use the respective HDMI input. For more info, see the user guide of your home theatre.
The phone turns into a remote control.
- 3 Select **Videos**, then select a video.

The maximum supported video resolution is 1080p, and your phone does not support files that are larger than 4 GB.

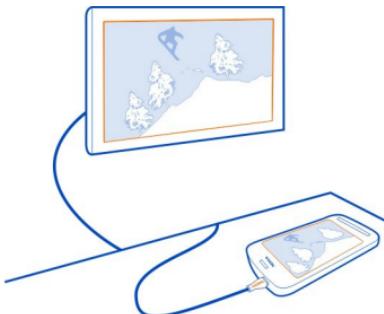
Example: An MP4 or MKV video that has the following properties:

- Video: AVC 1916kbps, 24fps, High Profile Level 3.1, 3 ref. frames
- Audio: Dolby Digital Plus E-AC-3, 384kbps, 6 channels

Connect to your HD TV

You can use an HDMI Micro Connector cable (available separately) to connect your phone to a TV or compatible home theatre. Photos and videos keep their original video and audio quality.

- 1 Connect an HDMI Micro Connector cable to the HDMI Micro Connector of your phone.
- 2 Connect the HDMI Micro Connector cable to the HDMI connector of a TV.
The phone turns into a remote control.



- 3 Select the correct HDMI input on the TV. For more info, see the user guide of the TV.
- 4 Select **Photos or Videos**.

If you select Photos, all your photos are shown on the TV.

Tip: When you view your photos, you can have music playing in the background.

Stream content wirelessly

About DLNA play

Select  > **DLNA play**.

Would you like to see the photos or videos in your phone on another device, such as your TV? Or listen to the music on your phone through your home stereo? With DLNA play, you can stream your media content to your DLNA devices wirelessly.

You need the following:

- A WLAN network. For best results, your wireless router should be connected to your DLNA device over a cable connection.
- WLAN on in your phone, and the phone has to be connected to the same WLAN network that your DLNA device is on.

There are different types of DLNA devices. If you can connect to the device on your phone and can control the streaming, the device is a renderer. If you can view the media on your phone from your device, the device is a player. To find out what kind of DLNA device you have, you can also check the device user guide.

For more info on how to set up the WLAN connection, go to www.nokia.com/support.

Stream content

You can stream photos and videos on your phone to another device that supports DLNA, such as a TV.

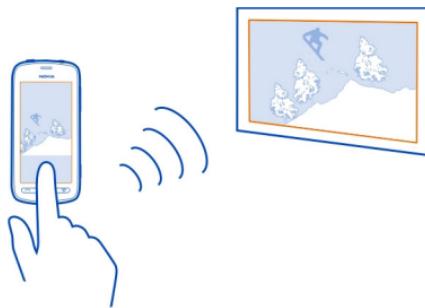
Use your phone to stream content to your DLNA device

- 1 Select  > **DLNA play** and your DLNA device.

If your phone can't detect any devices, there might not be any renderer DLNA devices in your WLAN. Check if you can use your DLNA device to see the content on your phone.

- 2 To stream photos, select **Photos**. To stream videos, select **Videos**. To stream music, select **Music**.
- 3 Select the photo, video, or song.

The connection to your DLNA device opens automatically. When content is being pushed to your DLNA device,  is shown.



You can also zoom a photo, or stream just a part of a photo.

Stream a part of a photo

- 1 Select the photo, place two fingers on the screen, then slide them apart or together to crop the area.

Tip: To move the cropped area, tap and hold the area, then drag it.

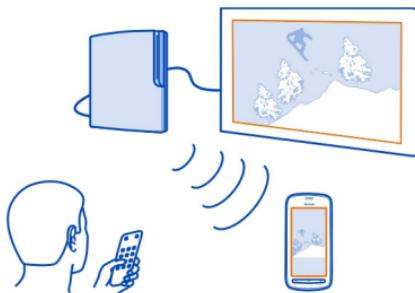
- 2 To start streaming the cropped area, lift your finger.

The photo is pushed to your DLNA device after 3 seconds. To start immediately, tap the area.

Use your DLNA device to stream content saved on your phone

- 1 Select  > **Settings and Connectivity** > **DLNA server** > **DLNA server** > **On**.
- 2 Use your DLNA device to detect your phone, then view the content on your phone through the DLNA device.

Tip: To quickly access the DLNA server, add the DLNA server widget to your home screen. To add, tap and hold an empty area on a home screen, then select **Add widget** and the widget.



Maps

About Maps apps

Maps shows you what is nearby and guides you where you want to go. Maps also provides you with weather forecasts and links to the latest travel guides.

- Find cities, streets, and services using Maps.
- Sync your favourite locations and routes between your phone and the Nokia Maps web service.
- Find your way with turn-by-turn directions using Drive.
- Get scheduled directions door-to door combining different modes of public transport using Public Transport.
- Check the current weather and the forecast for the coming days, if available, using Weather.
- Get linked to the latest information on what's there to see and do, where to spend the night, or how to book a room using Guides.

Maps availability depends on the laws of each country/region (e.g. maps may not be available due to legal restrictions of countries/regions). Nokia disclaims any and all warranty with respect to the availability of maps, including its accuracy, correctness and update.

Coordinate info may not be available in all regions.

Some services may not be available in all countries, and may be provided only in selected languages. The services may be network dependent. For more information, contact your network service provider.

Using services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

Contents of digital maps may sometimes be inaccurate and incomplete. Never rely solely on the content or the service for essential communications, such as in emergencies.

Some content is generated by third parties and not Nokia. The content may be inaccurate and is subject to availability.

Navigate to your destination

Drive to your destination

When you need turn-by-turn directions while driving, Drive helps you get to your destination.

Select  > Drive.



Drive to a destination

Select Set destination and an option.

Start driving without a set destination

Select Just drive. The map follows your location.

Drive to your home

Select Drive home.

When you select Drive home for the first time, you are asked to give your home location.

Change your home location

Select  > Settings > Home Location > Redefine.

Obey all local laws. Always keep your hands free to operate the vehicle while driving. Your first consideration while driving should be road safety.

Change the voice guidance language for driving

Voice guidance helps you find your way to a destination, leaving you free to enjoy the journey.

Select  > Drive.

Select  > Settings > Voice guidance and a language.

Voice guidance may not be available for your language.

Switch voice guidance off

Select  > Settings > Voice guidance > None.

Change the look of the Drive view

Would you like to see a more realistic 3D map, or are you using Drive at night, when it's dark? With the different map modes, you can see the info you need clearly at all times.

Select  > Drive.

View the map in 3D

Select  >  To go back to 2D mode, select the icon again.

To see the map clearly also when it is dark, you can activate night mode.

Activate night mode

Select  >  > Colours > Night mode.

By default, the map rotates to your driving direction.

Orient the map to north

Select  To rotate the map back to your driving direction, select  again.

Select your preferred route

Drive can choose the route that best suits your needs and preferences.

- 1 Select  > Drive.
- 2 Select  >  > Route settings.
- 3 Select Route selection > Faster route or Shorter route.
- 4 To combine the advantages of both the shorter and the faster routes, select Route selection > Optimised.

You can also choose to allow or avoid using, for example, motorways, toll roads, or ferries.

Walk to your destination

When you need directions to follow a route on foot, Maps guides you over squares, and through parks, pedestrian zones, and even shopping centres.

Select  > Maps.

- 1 Select a place and its info area at the top of the screen.
- 2 Select **Navigate** > **Walk here**.

By default, the map is oriented to north.

Rotate the map to your walking direction

Select . To rotate the map back to north, select  again.

You can also select what type of route you want walk navigation to follow.

Select the walking mode

- 1 Select  > **Settings** > **Maps & Walk** > **Route settings**.
- 2 Select **Preferred route** > **Streets** or **Straight line**.

Straight line is useful on off-road terrain as it shows the walking direction.

While walking, you can check the dashboard for info, such as how far you have walked and what your average speed has been.

Check the tripmeter from the dashboard

In the walk navigation view, select  > **Dashboard**.

Reset the tripmeter

Select  > **Reset**. To reset all counters, select  > **Reset all**.

The trip meter may not be accurate, depending on the availability and quality of your GPS connection.

Change the voice guidance language for walking

You can easily change the language for voice guidance, or switch it off completely.

Select  > Maps.

Select  > **Settings** > **Maps & Walk** > **Voice guidance** and a language.

Voice guidance may not be available for your language.

Switch voice guidance off

Select  > Settings > Maps & Walk > Voice guidance > None.

Find your way using Public Transport

Scheduling your journey using trams, trains, and buses can be hard – why not let your phone do the planning?

- 1 Select  > Public Transport.
- 2 Select Journey planner.
- 3 If you don't want to start your journey from where you are right now, write your start point in the From box, then select from the matches.
- 4 Write your destination in the To box, then select from the matches.
- 5 To see earlier or later journeys, drag the screen left or right. Hold your finger in place until the journeys are calculated.
- 6 To see a journey in detail, select the journey.

Tip: In the journey details view, to see the next or previous journey, swipe left or right.

Tip: Need help when walking to the bus stop? To see the stop in Maps, in the journey details view, select the walking section of your journey.

If the needed map data is not stored on your phone, and you have an active data connection to the internet, a map for the area is automatically downloaded.

Planning to set off later in the day? You can set what time you want your journey to start or what time you want to arrive.

Change the time of the journey

Select , then select Depart or Arrive.

Public transport routing is available for selected regions around the world.

In some areas, timetables are not available, and the journey plans are only estimates. In these areas, you can't see earlier or later journeys, or change the time of the journey.

The Public Transport service is free of charge.

Using services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

Find nearby stops and stations

Don't know where the nearest bus stop is? Public Transport finds nearby stops and stations, and checks the next departures for you.

- 1 Select  > Public Transport and Transport nearby.
- 2 If you don't want to search for departures from where you are right now, write a start point in the Search for transport near box, then select from the matches.
- 3 Select a stop or station.

Tip: To see the nearby stops and stations on a map, after selecting your start point, select .

In some areas, timetables are not available, and the journey plans are only estimates. In these areas, you can't see the departures from the stops and stations.

Find and view locations

See where you are on a map

If you need to get your bearings, check where you are on a map. You can also explore different cities and countries.

Select  > Maps.

 shows where you are. When searching for your location,  blinks. If Maps can't find you,  shows your last known location.

If accurate positioning is not possible, a red halo around the location icon shows the general area you might be in. In densely populated areas, the accuracy of the estimate is better, and the red halo is not as wide.

Browse the map

Drag the map with your finger. By default, the map is oriented north. If you want the map to rotate so that it shows the direction you're facing, select .

See your current or last known location

Select  .

Zoom in or out

Select + or -.

Tip: You can also place two fingers on the map, and slide your fingers apart to zoom in or together to zoom out. Not all phones support this feature.

If you browse to an area not covered by the street maps that are stored on your phone, and you are connected to the internet, new street maps are automatically downloaded.

Prevent downloading new street maps automatically

- 1 Select  > Settings > General.
- 2 Select Connection > Offline.

Map coverage varies by country and region.

Find a location

Maps helps you find specific locations and businesses.

Select  > Maps and .

- 1 Enter search words, such as a street address or place name.
- 2 Select an item from the list of proposed matches.
The location is displayed on the map.

Return to the list of proposed matches

Select .

Tip: In the search view, you can also select from the list of your previous search words.

Search for different types of nearby places

Select  and a category, such as transport, accommodation, or shopping.

Tip: You can use the details page of a found location to easily navigate to the place, to view its contact information, or to save or share the location. Select the place, and the place is shown on the map. To view the details page, select the information area at the top of the screen.

If no search results are found, make sure the spelling of your search words is correct. Problems with your internet connection may also affect results when searching online.

If you have maps of the searched area stored on your phone, to avoid data transfer costs, you can also get search results without an active internet connection, but the search results may be limited.

Download and update maps

Save new street maps to your phone before a journey, so you can browse the maps without an internet connection when travelling.

Select  > Maps and  > Map Loader.

To download and update maps on your phone, you need an active WLAN connection.

Download new maps

- 1 Select Add new maps.
- 2 Select a continent and a country, then select **Download**.

Update maps

Select **Check for updates**.

Remove a map

Select and hold a country, then confirm that you want to remove the map.

Tip: You can also use the Nokia Suite PC app to download the latest street maps and voice guidance files, and copy them to your phone. To download and install Nokia Suite, go to www.nokia.com/support.

When you install a newer version of the Maps app on your phone, the country or region maps are deleted. Before using Nokia Suite to download new maps, open and close the Maps app, and make sure you have the latest version of Nokia Suite installed on your computer.

Change the look of the map

You can change the look of the map so that you can see just the info you need.

Select  > Maps.

Show prominent buildings and attractions

Select  > Landmarks.

Show public transport routes

Select  > Transit lines.

The available features may vary by region.

Guides

Are you planning a trip or visiting a new city? Want to know what's there to see and do, or where you could spend the night or have dinner? Guides gets you connected to travel guides, booking services, and event listings for the latest detailed information.

Select  > Guides.

Open a service or guide

Select the title.

To return to the main page, select **Guides**.

The service may not be available in your country.

Weather

Is it going to rain in the afternoon? How warm will it be on Saturday? Use Weather to check the current conditions or a forecast for the coming days.

Select  > **Weather**.

Browse the detailed forecast

To browse forwards or backwards in time, drag the time slider at the bottom of the view.

View a five-day forecast

Select . To go back to the detailed forecast view, select .

The service may not be available in your country.

About positioning methods

Maps shows your location on the map using GPS, A-GPS, WLAN, or network (cell ID) based positioning.

A-GPS and other enhancements to GPS may require transferring small amounts of data over the cellular network.

GPS	The global positioning system (GPS) is a navigation system that uses satellites to work out where you are.
A-GPS	The Assisted GPS (A-GPS) network service retrieves location information using the cellular network, and assists GPS in calculating your current location. Your phone is set up to use the Nokia A-GPS service, unless your network service provider has its own A-GPS settings. To get the assistance data to your phone, you need to be able to connect to the internet. Your phone gets the data from the service only when needed.
WLAN	WLAN positioning improves positioning accuracy when GPS signals are not available, especially when you are indoors or between tall buildings.

Cell ID	With network (cell ID) based positioning, Maps locates you through the cellular system your phone is currently connected to.
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The availability and quality of GPS signals may be affected by your location, satellite positions, buildings, natural obstacles, weather conditions, and adjustments to GPS satellites made by the United States government. GPS signals may not be available inside buildings or underground.

Do not use GPS for precise location measurement, and never rely solely on the location info provided by GPS and cellular networks.

The GPS of this device is not for professional positioning. GPS connection time might also be affected by weather, use environment, and other condition of use. GPS should only be used as a navigation aid and should not be used for emergency or task which requires more precise positioning.

! Note: Using WLAN may be restricted in some countries. For example, in France, you are only allowed to use WLAN indoors. After 1 July 2012, the restriction on outdoor usage of WLAN in France is withdrawn. For more info, contact your local authorities.

Depending on the available positioning methods, the accuracy of positioning may vary from a few metres to several kilometres.

Switch positioning methods off

To save on data costs, especially when abroad, you can switch off assisted GPS (A-GPS), WLAN, or network (cell ID) positioning.

- 1 Select  > Settings.
- 2 Select Application settings > Positioning > Find my location > Positioning methods.
- 3 Switch off the positioning methods you don't want to use.

Working out your location may take much longer, the location can be more inaccurate, and the GPS receiver can lose your location more frequently.

Save and share places

Save or view a place

To aid your travel planning, you can search for places, such as hotels, attractions, or petrol stations, and save them to your phone.

Select  > Maps.

Save a place

- 1 To search for an address or place, select .

- 2 Select the place's info area at the top of the screen.
- 3 On the details page, select .

View a saved place

In the main view, select  >  > Places and the place.

Group the places into a collection, for example, when planning a trip.

Add a saved place to a collection

- 1 Select Places.
- 2 Select and hold the place, then select **Organise collections**.
- 3 Select **New collection** or an existing collection, then select .

Sync your Favourites

Plan a trip on your computer at the Nokia Maps website, sync the saved places with your phone, and access the plan on the go.

- 1 Make sure you're signed in to your Nokia account.
- 2 Select  > Maps.
- 3 Select  >  >  If you do not have a Nokia account, you are asked to create one.

Syncing requires an internet connection, and may involve the transmission of large amounts of data through your service provider's network. For info about data transmission charges, contact your network service provider.

To use the Nokia Maps web service, go to maps.nokia.com.

Send a place to a friend

When you want to show your friends where a place is on the map, you can send the place to them.

Select  > Maps.

To view the place on the map, your friends don't need to have a Nokia phone, but an internet connection is required.

- 1 Select a place and its information area at the top of the screen.
- 2 Select **Share** > **Share via SMS** or **Share via Email**.

A mail or text message containing a link to the location on the map is sent to your friend.

Report incorrect map information

If you notice that information on the map is incorrect or missing, report it to Nokia.

Select a place from the map, its information area at the top of the screen, and **Report**.

The service may not be available for your country or region. Reporting incorrect or missing information requires an internet connection.

You can report issues, such as:

- Missing or incorrect street names
- Streets that are blocked or unsuitable for walking on
- Incorrect restrictions or speed limits

You can add further details when reporting.

Clock and calendar

Clock

About the clock

 Select  > **Clock**.

Tip: To open the clock, you can also select the clock on the home screen.

Set and manage alarms, and check local times in different countries and cities.

Set the time and date

On the home screen, select the clock.

Select  > **Time or Date**.

Set an alarm

You can use your phone as an alarm clock.

On the home screen, select the clock.

- 1 Select .
- 2 Set the alarm time, and write a description.
- 3 To set the alarm to sound, for example, at the same time every day, select **Repeat** and the appropriate option.

Remove an alarm

Select and hold the alarm, and select **Delete alarm**.

Snooze an alarm

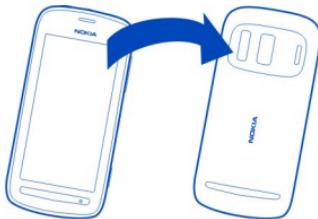
When an alarm sounds, you can snooze the alarm. This pauses the alarm for a defined length of time.

When the alarm sounds, select **Snooze**.

Set the length of the snooze time

- 1 On the home screen, select the clock.
- 2 Select  **Alarm snooze time**, and set the length of time.

Tip: You can snooze alarms also by turning your phone face down.



Update the time and date automatically

You can set your phone to update the time, date, and time zone automatically.

On the home screen, select the clock.

Select  **Automatic time update** > **On**.

Tip: Want to set the time and date manually? Select **Automatic time update** > **Off**.

Change the time zone when travelling

You can set the clock to the local time when travelling abroad or view the time in different locations.

On the home screen, select the clock.

Select  and your current location, for example, London, UK.

Add a location

Select  and a location.

Set your current location

After you have added locations to the world clock view, select and hold a location, and select **Set as current location**.

The time in your phone is changed according to the selected location. Make sure the time is correct.

Tip: Want to remove a location quickly? In the world clock view, select and hold a location, and select **Remove**.

Check the time in different cities

To view the time in different locations, add them to your world clock view.

On the home screen, select the clock.

Select  and your current location, for example, London, UK.

Add a location

Select  and a location. You can add up to 50 locations.

Calendar

About the calendar

12 Select  > **Calendar**.

With your phone calendar, you can keep your schedules organised.

Tip: Want quick access to your calendar? Add a calendar widget to the home screen.

Browse your calendar in different views

Want to see all your calendar events for a particular day? You can browse your calendar events in different views.

1 Select  > **Calendar**.

2 Select  and a view.

Tip: To go to the previous or next day or month, in the appropriate view, swipe left or right.

Add a calendar event

1 Select  > **Calendar**.

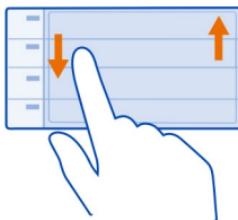
2 Select . The calendar event type is meeting by default.

3 Fill in the fields.

4 To repeat the calendar event at regular intervals, select  and the time interval. Select **Repeat until**, then type in the end date.

5 Select **Save**.

Tip: You can also add a calendar event in the day view. Select and hold the starting time, and drag the arrows to set the duration.



Use separate calendars for work and free time

You can have more than one calendar. Create one for work and another for your free time.

Select > Calendar.

Create a new calendar

- 1 Select > Calendars > .
- 2 Write a name, then set a colour code for the calendar.
- 3 Set the visibility for the calendar. When a calendar is hidden, the calendar events and reminders are not shown in different calendar views or on the home screen.
- 4 Select .

Change the settings for a calendar

- 1 In the Calendars view, select the calendar you want to change.
- 2 Change the name, colour, and visibility.
- 3 Select .

Add an entry to a particular calendar

- 1 When adding a calendar event, select and the calendar.
- 2 Fill in the fields, then select **Save**.

Colour codes show which calendar an event belongs to.

Add a task to your to-do list

Do you have important tasks to handle at work, library books to return, or maybe an event you want to attend? You can add tasks (to-do notes) to your calendar. If you have a particular deadline, set a reminder.

1 Select > Calendar.

- 2 Select 
- 3 Select the event type field  then select **To-do** as the event type.
- 4 Fill in the fields.
- 5 To add a reminder for the task, select .
- 6 Select **Save**.

Remember a birthday

You can add a reminder for birthdays and other special dates. The reminders are repeated annually.

- 1 Select  > **Calendar**.
- 2 Select 
- 3 Select the event type field  then select **Anniversary** as the event type.
- 4 Fill in the fields.
- 5 Select **Save**.

Send a meeting request

You can create meeting requests, and send them to the participants.

Before you can create and send a new meeting request, you need to set up a mailbox.

- 1 Select  > **Calendar**.
- 2 Open an event, then select  > **Send** > **Via mail**.
- 3 Add the meeting participants as recipients of the request mail.
- 4 To send the request, select .

Use the lunar calendar

Select  > **Calendar**.

The feature is available in selected languages and regions.

Activate the lunar calendar function

In a calendar view, select  > **Settings** > **Lunar calendar:** > **On**.

View detailed lunar information of a date

Go to the date, and select  > **View lunar data**.

Certain dates are shown in the calendar using different colours, for example, red. This does not necessarily indicate that the date is a public holiday in Hong Kong.

Office

Quickoffice

About Quickoffice



Select  > Quickoffice.

Quickoffice consists of the following:

- Quickword for viewing Microsoft Word documents
- Quicksheet for viewing Microsoft Excel worksheets
- Quickpoint for viewing Microsoft PowerPoint presentations

To buy the editor version of Quickoffice, select **Updates and upgrades**.

The office apps support common features of Microsoft Word, PowerPoint, and Excel (Microsoft Office 2000, XP, and 2003). Not all file formats are supported.

Read Microsoft Word, Excel, and PowerPoint documents

You can view Microsoft Office documents, such as Word documents, Excel worksheets, or PowerPoint presentations.

Select  > Quickoffice.

Open a file

Select **Browse files** and the memory where the file is stored, browse to the correct folder, and select the file.

Sort files

Select  > Sort by.

Read PDF documents



Select  > Adobe Reader.

Open a file

Select **Browse files** and the memory where the file is stored. Browse to the correct folder, and select the file.

Use the calculator



Select  > Calculator.

- 1 Type in the first number of the calculation.
- 2 Select a function, such as add or subtract.
- 3 Type in the second number of the calculation.
- 4 Select =.

Write a note



Notes on paper are easy to lose. Instead of writing them down, you can save your notes and lists on your phone, so you always have them with you. You can also send your notes to friends and family.

Select > Notes.

- 1 Select +, then write your note in the note box.
- 2 Select Save.

Send a note

Open the note, then select > Send and the sending method.

Translate words



You can translate words from one language to another.

Select > Dictionary.

- 1 Write a word in the search field. Suggestions of words to translate are shown.
- 2 Select the word from the list.
- 3 To listen to the pronunciation, select > Listen

Change the source or target language

Select > Languages > Source or Target.

Download more languages from the internet

Select > Languages > Download languages.

English is preinstalled, and you can add two additional languages. Not all languages may be supported.

Open or create zip files



You can open and extract files from zip files. You can also create new zip files, to store and compress files.

Select  > Zip.

Connectivity

Connectivity security

Nokia understands how important it is that your mobile phone or device operates reliably and that your personal content is saved safely.

Any information from an unknown or unreliable source, for example, via Bluetooth connectivity, multimedia message, or cable, may harm your PC, mobile phone, or device. You may protect your mobile phone or device from damage and keep it secured by following simple measures:

- Always keep Bluetooth connectivity closed unless you want your phone or device to be visible to others, when your phone or device supports Bluetooth.
- Always be alert when receiving information, like Bluetooth file or multimedia message, from an unknown or untrustworthy source.
- Do not download or install any applications that may include software harmful to your phone or device.
- Always download and install applications or content, like ringing tone or game, from trusted or well-known sources, such as Nokia Store, where good protection is provided against viruses and other harmful software.

This is a friendly reminder, the mentioned function may vary from different device model.

Select a network manually

If you know that a network provides lower costs or faster data transmission, you can manually select the network.

Select  > Settings and Connectivity > Network.

Select **Operator selection** > **Manual** and the network. To set the phone to select the network automatically, select **Operator selection** > **Automatic**.

When your phone searches for or connects to a 3G network, the phone consumes more power. You can set the network type manually. You may not be able to modify this setting.

Select the network type

Select **Network mode** > **GSM, 3G, or Dual mode**.

Display the microcellular (MCN) indicator when in a microcellular network

Select **Cell info display** > **On**.

The available settings may vary.

Internet connections

Define how your phone connects to the internet

Your phone automatically checks for and connects to an available known network when a network connection is needed. Selection is based on the connection settings, unless there are application-specific settings applied.

Select  > **Settings and Connectivity** > **Settings**.

Use a mobile data connection

Select **Mobile data** > **On**.

Use a mobile data connection when abroad

Select **Allow mobile data usage** > **Anywhere**.

Using a mobile data connection to connect to the internet when abroad can raise data transfer costs substantially.

You can also set the phone to use a mobile data connection only when in your home network or home country.

Use a WLAN connection only

Select **Mobile data** > **Off**.

An access point can be a mobile data connection or a WLAN connection.

You can collect access points in a destination list, and rearrange the priority order within the list.

Example: If a WLAN access point is ranked above a mobile data access point in a destination list, the phone will always try to first connect to the WLAN access point, only connecting to the mobile data access point if the WLAN is not available.

Add a new access point to a destination list

Select **Network destinations** > **Access point**.

Change the priority of an access point in the internet destination list

- 1 Select **Network destinations** > **Internet**.
- 2 Select and hold an access point, and from the pop-up menu, select **Change priority**.

3 Tap the position in the list to move the access point to.

Keep track of your data traffic

To avoid surprises with mobile data costs, you can set your phone to notify you or close the mobile data connection when you have transferred a certain amount of data using your mobile data connection.

- 1 Select  > **Settings**.
- 2 Select **Connectivity** > **Mobile data tracker** > **Data allowance**.
- 3 Select **Define in megabytes** or **Define in gigabytes**, then type in the limit in the field.
- 4 Select **When allowance reached**, then select **Show warning** or **Switch mobile data off**.

The limit is phone-specific. If you use your SIM in another phone, you need to set the limits in that phone.

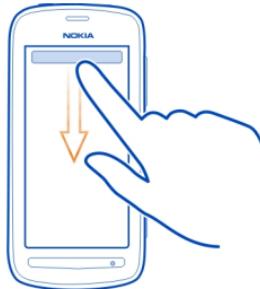
Your network service provider may count mobile data use differently than your phone does. For info about data costs, contact your network service provider.

Wireless LAN

About WLAN connections

 Select  > **Settings** and **Connectivity** > **WLAN**.

Tip: You can also manage your connections in the status menu. Swipe down from the top of the screen, then select **WLAN**. If **WLAN** is not shown, select .



Tip: You can add a WLAN widget  to the home screen. To quickly switch the WLAN feature on or off, select the switch in the widget. To open the WLAN app, select  in the widget. The WLAN feature needs to be switched on.

The WLAN app shows a list of available networks and helps you connect to a wireless local area network (WLAN).

! Important: Use encryption to increase the security of your WLAN connection. Using encryption reduces the risk of others accessing your data.

! Note: Using WLAN may be restricted in some countries. For example, in France, you are only allowed to use WLAN indoors. After 1 July 2012, the restriction on outdoor usage of WLAN in France is withdrawn. For more info, contact your local authorities.

Connect to a WLAN at home

To help save data costs, connect to your home WLAN when you are at home and want to browse the web on your phone.



- 1 To open the status menu, swipe down from the top of the screen. If WLAN is not shown, select .
- 2 Select WLAN and your home WLAN. If your home WLAN is secured, type in the passcode. If your home WLAN is hidden, select Other (hidden network), then write the network name (service set identifier, SSID).

Close the WLAN connection

Swipe down from the top of the screen, then select .

Connect to a WLAN on the move

Connecting to a WLAN is a handy way of accessing the internet when not at home. Connect to public WLANs in public places, such as a library or internet café.

- 1 To open the status menu, swipe down from the top of the screen. If WLAN is not shown, select .
- 2 Select WLAN and the connection you want to use.

Close the WLAN connection

Swipe down from the top of the screen, then select .

VPN connections

Select  > **Settings and Connectivity** > **VPN**.

You need a virtual private network (VPN) connection to, for example, browse your company intranet or access your work mail remotely.

VPN policies define how data is encrypted and how your company authenticates your phone. To configure the VPN client, certificates, and policies, contact your company's IT department. After installing a policy, a VPN connection method is automatically added to an intranet destination.

For more info, search for mobile VPN at www.nokia.com/support.

! Important: The existence of a certificate considerably reduces risks involved in remote connections and software installation. To benefit from increased security, certificates must be used correctly, and they must be correct, authentic, or trusted. Certificates have a restricted lifetime. If they have expired or are invalid, check that the current date and time in your device are correct.

Before modifying any certificate settings, you must trust the owner of the certificate and that the certificate does belong to the listed owner.

Close a network connection

If several apps are using an internet connection, you can use the Connection manager app to close some or all network connections.

Select  > **Settings and Connectivity** > **Connection manager**.

In the active data connections view, you can see your current network connections.  is a mobile data connection, and  is a WLAN connection.

Select and hold the connection, then select **Disconnect**.

View details for a connection

Select the connection.

Details, such as the amount of transferred data and connection duration, are shown.

Tip: In most views, to see what connections are active, swipe down from the notification area.

Bluetooth

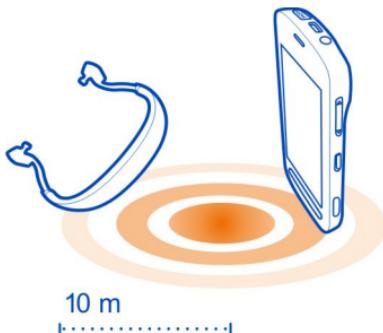
About Bluetooth

 Select  > **Settings** > **Connectivity** > **Bluetooth**.

You can connect wirelessly to other compatible devices, such as phones, computers, headsets, and car kits.

You can use the connection to send items from your phone, copy files from your compatible PC, and print files with a compatible printer.

Since devices with Bluetooth wireless technology communicate using radio waves, they do not need to be in direct line-of-sight. However, they must be within 10 metres (33 feet) of each other, although the connection may be subject to interference from obstructions such as walls or from other electronic devices.



When your phone is locked, only connections to authorised devices are possible.

Tip: You can also manage your Bluetooth connections in the status menu. To open the status menu, swipe down from the notification area, then select **Bluetooth**. If Bluetooth is not displayed, select .

Tip: You can add a Bluetooth widget to the home screen. To quickly switch Bluetooth on or off, select the widget.

Operating the device in hidden mode is a safer way to avoid malicious software. Do not accept Bluetooth connection requests from sources you do not trust. You can also switch the Bluetooth function off when you are not using it.

Connect to a wireless headset

With a wireless headset you can answer a call even if your phone is not directly at hand, and you can have your hands free, for example, to continue working at your computer during a call. Wireless headsets are available separately.

Select  > **Settings** > **Connectivity** > **Bluetooth**.

- 1 To activate Bluetooth, select **Bluetooth** > **On**.
- 2 Switch the headset on.
- 3 Open the Paired devices tab .
- 4 Select the headset.
If the headset is not displayed in the list, to search for it, select  > **New paired device**.
- 5 You may need to enter a passcode. For details, see the user guide of the headset.

Send a photo or other content using Bluetooth

You can use Bluetooth to send photos, videos, business cards, calendar entries, and other content to your friend's compatible devices and to your computer.

You can have several Bluetooth connections in use at a time. For example, if you are connected to a compatible headset, you can also send files to another compatible device at the same time.

- 1 Select the item, for example, a photo.
- 2 Select  > **Send** > **Via Bluetooth**.
- 3 Select the device to connect to. If the device isn't shown, select **More devices** to search for it. Bluetooth devices within range are shown.
- 4 If the other device needs a passcode, type in the passcode. The passcode, which you can make up, must be typed in on both devices. The passcode in some devices is fixed. For details, see the user guide of the other device.

The passcode is used only for the current connection.

Connect to a car kit using remote SIM mode

With remote SIM mode, a compatible car kit can use the SIM card of your phone.

Select  > **Settings** > **Connectivity** > **Bluetooth**.

Before remote SIM mode can be activated, your phone and accessory must be paired. Initiate the pairing from the car kit accessory.

- 1 To activate Bluetooth, select **Bluetooth** > **On**.
- 2 To activate remote SIM mode, select **Remote SIM mode** > **On**.

3 Activate Bluetooth in the car kit accessory.

When remote SIM mode is activated, **Remote SIM mode** is displayed on the home screen. The connection to the wireless network is closed, and you cannot use SIM card services or features that require cellular network coverage.

To make or receive calls when in remote SIM mode, you need to have a compatible accessory, such as a car kit, connected to your device.

Your device will only allow emergency calls in this mode.

Deactivate remote SIM mode

Press the power key, and select **Exit remote SIM mode**.

Block a device

You can prevent devices from creating a Bluetooth connection to your phone.

Select  > **Settings** > **Connectivity** > **Bluetooth**.

Open the Paired devices tab , select and hold the device you want to block, and from the pop-up menu, select **Block**.

Remove a device from the blocked devices list

Open the Blocked devices tab , select and hold the device you want to remove from the list, and from the pop-up menu, select **Delete**.

If you reject a pairing request from another device, you are asked if you want to add the device to the list of blocked devices.

Protect your phone

When Bluetooth is activated in your phone, you can control who can find and connect to your phone.

Select  > **Settings** > **Connectivity** > **Bluetooth**.

Prevent others from detecting your phone

Select **My phone's visibility** > **Hidden**.

When your phone is hidden, others cannot detect it. However, paired devices can still connect to your phone.

Switch Bluetooth off

Select **Bluetooth** > **Off**.

Tip: To quickly switch Bluetooth off, swipe down from the top of the screen, then select .

Do not pair with or accept connection requests from an unknown device. This helps to protect your phone from harmful content.

USB data cable

Copy a picture or other content between your phone and computer

You can use a USB data cable to back up and copy pictures, videos, and other content between your phone and your computer.

- 1 To make sure that Media transfer is set as the USB mode, select  > **Settings** and **Connectivity** > **USB** > **Media transfer**.
- 2 Use a compatible USB  data cable to connect your phone to your compatible computer.

The phone is displayed as a portable device on your computer. If Media transfer mode does not work on your computer, use Mass storage mode instead.

- 3 Use the file manager of the computer to copy the content.

Change the USB mode

For best results when copying content or synchronising your phone with your computer, activate the appropriate USB mode when using a USB data cable to connect to various devices.

- 1 Use a compatible USB cable to connect your phone to your computer.
- 2 On your phone, swipe down from the notification area.
- 3 Select **USB** and from the following:

 **Nokia Suite** — Connect your phone to a compatible computer that has Nokia Suite installed. In this mode, you can synchronise your phone with Nokia Suite and use other Nokia Suite features.

This mode is activated automatically when you open the Nokia Suite application.

 **Mass storage** — Connect your phone to a compatible computer that does not have Nokia Suite installed. Your phone is recognised as a USB flash memory. You can also connect your phone to other devices, such as a home or car stereo, to which you can connect a USB drive.

While connected to a computer in this mode, you may not be able to use some of the phone applications.

The memory card and mass memory in your phone cannot be accessed by the other device.

 **Media transfer** — Connect your phone to a compatible computer that does not have Nokia Suite installed. Music protected by digital rights management (DRM) must be transferred in this mode. Some home entertainment systems and printers can also be used in this mode.

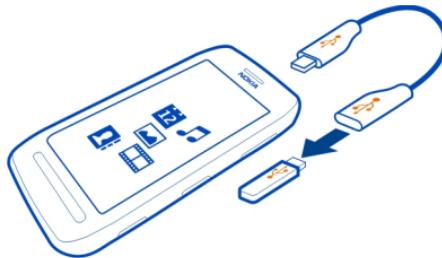
 **Use phone as modem** — Connect your phone to a compatible computer, and use the phone as a wireless modem. The computer connects to the internet automatically.

Connect a USB mass storage device

You can use a USB On-The-Go (OTG) adapter to connect your phone to a compatible USB memory stick or hard drive. For example, you can save your photos on a USB memory stick without needing to connect to a PC.

Connect a memory stick

- 1 Connect the micro-USB end of the USB OTG adapter (available separately) to the micro-USB connector in your phone.
- 2 Connect a memory stick to the USB OTG adapter.



The Files app opens, and the memory stick is shown as a mass memory.

Copy a file

In Files, select and hold the file you want to copy, then select the option you want and the memory and folder you want to copy to.

If you connect a hard drive that needs more power than your phone can supply, an error message is shown. You need to connect an external power source to the hard drive.

Phone management

Keep your phone software and applications up to date

About phone software and app updates

Stay in step with the beat – update your phone software and apps to get new and enhanced features for your phone. Updating the software may also improve your phone performance.



It is recommended that you back up your personal data before updating your phone software.

⚠ Warning:

If you install a software update, you cannot use the device, even to make emergency calls, until the installation is completed and the device is restarted.

Using services or downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

Before starting the update, connect a charger or make sure the device battery has enough power.

After the update, the instructions in the user guide may no longer be up to date. You may find the updated user guide at www.nokia.com/support.

Update phone software and apps using your phone

 You can check for updates for your phone software or apps, and download and install them to your phone wirelessly (network service). You can also set your phone to automatically check for updates and notify you when important or recommended updates are available.

Select  > **SW update**.

You may need to restart your phone to finish the update.

View update details

Select and hold an update.

Install all updates

Select .

Select which updates to install

Select  > Mark updates and the updates you want to install. All updates are selected by default.

Set your phone to automatically check for updates

Select  > Settings > Auto-check for updates.

Update phone software using your PC

You can use the Nokia Suite PC app to update your phone software. You need a compatible PC, a high-speed internet connection, and a compatible USB cable to connect your phone to the PC.

To get more info and to download the Nokia Suite app, go to www.nokia.com/support.

Manage files

About the file manager



Select  > Files.

You can browse, manage, and open files on your phone. You can also view and manage files on a compatible inserted memory card.

View the files stored in your phone

Select  > Files and the desired memory.

The files and folders at the top level of that memory location are displayed.

View the contents of a folder

Select the folder.

Organise files

You can create new folders, to help organise your files. This can make it easier to back up or upload your content. Within folders, you can copy, move, or delete files and subfolders.

Select  > Files.

Create a new folder

In the folder where you want to create a subfolder, select  > New folder.

Copy a file to a folder

Select and hold the file, and from the pop-up menu, select the appropriate option.

Delete a file from a folder

Select and hold the file, and from the pop-up menu, select the appropriate option.

Copy, move, or delete several files at the same time

- 1 Select  > Mark multiple items.
- 2 Select the files.
- 3 Select  and the appropriate option.

Back up files

Want to make sure that you will not lose any important files? You can create backups of the phone memory.

Select  > Files and Backup and restore.

It is recommended that you back up the phone memory regularly.

Tip: Use Nokia Suite to back up your content to a compatible computer. If your phone is stolen or damaged, you still have all your important files available.



Format the mass memory

Want to delete all content from your phone mass memory? You can format the mass memory.

Back up all content you want to keep before formatting the mass memory. All content on it is permanently deleted.

- 1 Select  > **Files**.
- 2 Select and hold the mass memory, then select **Format**.

Do not format the mass memory using PC software, because it may cause degraded performance.

You can use Nokia Suite to back up your content to a compatible computer. Digital rights management (DRM) technologies may prevent some backup content from being restored. For more info about DRM used for your content, contact your service provider.

Format a memory card

Want to delete all content from your memory card? When you format a memory card, all the data on it is deleted.

- 1 Select  > **Files**.
- 2 Select and hold the memory card, and from the pop-up menu, select **Format**.

Password protect your memory card

Want to protect the memory card against unauthorised use? You can set a password to protect the data.

- 1 Select  > **Files**.
- 2 Select and hold the memory card, and from the pop-up menu, select **Set password**.
- 3 Enter a password.

Keep the password secret and in a safe place, separate from the memory card.

Free up phone memory

Do you need to increase the available phone memory, so you can install more apps or add more content?

You can delete the following if no longer needed:

- Text, multimedia, and mail messages
- Contact entries and details
- Apps
- Installation files (.sis or .sisx) for installed apps
- Music, photos, or videos

Copy content you want to keep to the mass memory, to a compatible memory card (if available), or to a compatible computer.

Manage applications

About applications

 Select  > Settings and Installations.

You can view details of installed applications, remove applications, and define installation settings.

You can install the following types of applications:

- Java™ ME applications that have the .jad or .jar file extension
- Applications, compatible with the Symbian operating system, that have the .sis or .sisx file extension
- Widgets that have the .wgz file extension

Only install applications that are compatible with your phone.

Remove an app from your phone

You can remove installed apps that you no longer want to keep or use, to increase the amount of available memory.

Select  > Settings and Installations.

1 Select **Already installed**.

2 Select and hold the app to remove, then select **Remove**.

If you remove an app, you can only reinstall it if you have the original installation file or a full backup of the removed app. You may not be able to open files created with a removed app.

If an installed app depends on a removed app, the installed app may stop working. For details, see the user documentation of the installed app.

The installation files may use large amounts of memory and prevent you from storing other files. Use Nokia Suite to back up your installation files to a compatible computer, then use the file manager to remove the files from your phone memory.

Synchronise content

About Sync

 Select  > Settings > Connectivity > Data transfer > Sync.

Would you like to have your calendar, notes, and other content backed up and at hand, whether you are sitting by your computer or on the go with your phone? You can synchronise your contacts, notes, and other content between your phone and a remote server. After synchronising, you have a backup of your important data on the server.



Sync content between your phone and a remote server

Sync important content between your phone and a remote server to make a copy you can access from anywhere.

Select > Settings and Connectivity > Data transfer > Sync.

You may receive sync settings as a configuration message from your network service provider. The sync settings are saved as a sync profile. When you open the app, the default or last used sync profile is shown.

Include or exclude content types

Select a content type.

Sync the content

Select > Sync now.

Tip: To sync content between your phone and Nokia services, use the Nokia Sync app.

About Nokia Sync

Select > Nokia Sync.

You can sync contacts, calendar events, and notes between your phone and Nokia services. This way you always have a backup of your important content. To use Nokia Sync, you need a Nokia account. If you don't have an account, access a Nokia service – you are asked if you want to create one.

If you use Nokia Sync to automatically sync your contacts with Nokia services, do not allow syncing with any other service, such as Mail for Exchange, as there may be conflicts.

Copy contacts or pictures between phones

You can synchronise and copy contacts, pictures, and other content between two compatible Nokia phones, free of charge, using Bluetooth.

Select  > **Settings** > **Connectivity** > **Data transfer** > **Phone switch**.

1 Select from the following:

- Copy content from another phone.
- Copy content to another phone.
- Synchronise content between two phones.

- 2 Select the phone you want to connect to, and pair the phones. Bluetooth needs to be activated in both phones.
- 3 If the other phone requires a passcode, enter the passcode. The passcode, which you can define yourself, must be entered in both phones. The passcode in some phones is fixed. For details, see the user guide of the other phone.
The passcode is valid only for the current connection.
- 4 Select the content and **OK**.

Protect your phone

Set your phone to lock automatically

Want to protect your phone against unauthorised use? Create a security code, and set your phone to lock itself automatically when you're not using it.

- 1 Select  > **Settings** > **Phone** > **Phone management and Security settings** > **Phone and SIM card**.
- 2 Select **Phone autolock period** > **User defined**, then set how long before the phone locks itself.
- 3 Create a security code using at least 4 characters. You can use numbers, symbols, and upper and lower case letters.

Tip: To type in letters or symbols, press and hold #.

Keep the security code secret and in a safe place separate from your phone. If you forget the security code and your phone is locked, your phone will require service. Additional charges may apply, and all the personal data in your phone may be deleted. For more info, contact Nokia Care or your phone dealer.

Lock your phone manually

On the home screen, press the power key , select **Lock phone**, then type in the security code.

Unlock your phone

Slide the lock key, drag the lock screen left or right, type in the security code, then select **OK**.

If the lock key is out of reach, press the menu key instead.

Lock your phone remotely

Forgot your phone at work and want to lock it to prevent unauthorised use? You can lock your phone remotely using a predefined text message. You can also lock the memory card remotely.

Enable remote locking

- 1 Select  > **Settings** > **Phone** > **Phone management and Security settings** > **Phone and SIM card** > **Remote phone locking** > **Enabled**.
- 2 Enter the text message content. It can be 5-20 characters, and both upper and lower case letters can be used.
- 3 Enter the same text again to verify it.
- 4 Enter the lock code.

Send the lock message

To lock the phone remotely, write the predefined text, and send it to your phone as a text message.

To unlock your phone, you need the lock code.

Encrypt your data

Want to protect your data against unauthorised use? You can encrypt data on your phone using an encryption key.

Select  > **Settings** > **Phone** > **Phone management** > **Security settings** > **Encryption**.

It may take several minutes to encrypt or decrypt your data. During the encryption process, do not:

- Use your phone unless you have to
- Switch your phone off
- Remove the battery

If you haven't set your phone to lock itself automatically when not in use, you are prompted to do so when you encrypt your data for the first time.

Encrypt the phone memory

Select **Encryption on**.

Decrypt the phone memory

Select **Encryption off**.

Prepare your phone for recycling

If you buy a new phone, or otherwise want to dispose of your phone, Nokia recommends that you recycle your phone. Beforehand, remove all personal information and content from your phone.

Remove all content

- 1 Back up the content you want to keep to a compatible memory card or to a compatible computer.
- 2 Close all active connections and calls.
- 3 Select  > **Settings and Phone** > **Phone management** > **Factory settings** > **Delete data and restore**.
- 4 If prompted, enter the security code.
- 5 Your phone switches off and then on again. Check carefully that all your personal content, such as contacts, pictures, music, videos, notes, messages, mails, presentations, games and other installed applications have been removed.

Remember to remove your memory and SIM card from the phone.

Find more help

Support

When you want to learn more about how to use your phone, or if you're unsure how your phone should work, read the user guide in your phone. Select  > **User guide**.

If you have an issue, do the following:

- Reboot your phone. Switch off the phone, and remove the battery. After about a minute, replace the battery, and switch on the phone.
- Update your phone software
- Restore the original factory settings

If your issue remains unsolved, contact Nokia for repair options. Before sending your phone for repair, always back up your data, as all personal data in your phone may be deleted.

Access codes

PIN or PIN2 code (4-8 digits)	<p>These protect your SIM against unauthorised use or are required to access some features.</p> <p>You can set your phone to ask for the PIN code when you switch it on.</p> <p>If not supplied with your card or you forget the codes, contact your service provider.</p> <p>If you type in the code incorrectly three times in a row, you need to unblock the code with the PUK or PUK2 code.</p>
PUK or PUK2 code (8 digits)	<p>These are required to unblock a PIN or PIN2 code.</p> <p>If not supplied with your SIM, contact your service provider.</p>
IMEI number (15 digits)	<p>This is used to identify valid phones in the network. You may also need to give the number to Nokia Care services.</p> <p>To view your IMEI number, dial *#06#.</p>
Lock code (security code) (min. 4 digits or characters)	<p>This helps you protect your phone against unauthorised use.</p> <p>You can set your phone to ask for the lock code that you define.</p> <p>Keep the code secret and in a safe place, separate from your phone.</p> <p>If you forget the code and your phone is locked, your phone will require service. Additional charges may apply, and all the personal data in your phone may be deleted.</p> <p>For more information, contact Nokia Care or your phone dealer.</p>

Nokia original accessories

For availability of approved accessories, check with your dealer.

An extensive range of accessories is available for your device. For more details, see www.nokia.com.hk/accessories.

Practical rules about accessories

- Keep all accessories out of the reach of small children.

- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.
- Check regularly that accessories installed in a vehicle are mounted and are operating properly.
- Installation of any complex car accessories must be made by qualified personnel only.

Battery

Type: BV-4D

Talk time:

Up to 6.5 hours (WCDMA) / 9 hours (GSM).

Standby:

Up to 525 hours (WCDMA) / 460 hours (GSM).

! Important: Battery talk and stand-by times are estimates and only possible under optimal network conditions. Actual battery talk and standby times depend on SIM cards, features used, battery age and condition, temperatures to which battery is exposed, network conditions, and many other factors, and may be significantly shorter than those specified above. Ringing tones, hands free call handling, use in digital mode, and other features will also consume the battery, and the amount of time a device is used for calls will affect its stand-by time. Likewise, the amount of time that the device is turned on and in the standby mode will affect its talk time.

Product and safety information

Network services and costs

Your device is approved for use on the WCDMA 850, 900, 1700, 1900, 2100 and GSM/EDGE 850, 900, 1800, 1900 MHz networks. To use the device, you need a subscription with a service provider.

Using some features and downloading content to your device requires a network connection and may result in data traffic costs. Some product features require support from the network, and you may need to subscribe to them.

Tips and Offers

To help you take maximum advantage of your phone and services, you receive free customised text messages from Nokia. The messages contain tips and tricks and support.

To stop receiving the messages, select  > Tips and Offers > Subscriptions > Personal info > Send me Tips and Offers > No.

To provide the service described above, your mobile phone number, the serial number of your phone, and some identifiers of the mobile subscription are sent to Nokia when you use the phone for the first time. Some or all information may also be sent to Nokia when updating software. This information may be used as specified in the privacy policy, available at www.nokia.com.

Take care of your device

Handle your device, battery, charger and accessories with care. The following suggestions help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that corrode electronic circuits. If your device gets wet, remove the battery, and allow the device to dry.
- Do not use or store the device in dusty or dirty areas. Moving parts and electronic components can be damaged.
- Do not store the device in high temperatures. High temperatures can shorten the life of the device, damage the battery, and warp or melt plastics.
- Do not store the device in cold temperatures. When the device warms to its normal temperature, moisture can form inside the device and damage electronic circuits.
- Do not attempt to open the device other than as instructed in the user guide.
- Unauthorised modifications may damage the device and violate regulations governing radio devices.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and mechanics.
- Only use a soft, clean, dry cloth to clean the surface of the device.
- Do not paint the device. Paint can clog moving parts and prevent proper operation.
- Switch off the device and remove the battery from time to time for optimum performance.
- Keep your device away from magnets or magnetic fields.
- To keep your important data safe, store it in at least two separate places, such as your device, memory card, or computer, or write down important info.

During extended operation, the device may feel warm. In most cases, this is normal. If you suspect the device is not working properly, take it to the nearest authorised service facility.

Recycle

Always return your used electronic products, batteries, and packaging materials to dedicated collection points. This way you help prevent uncontrolled waste disposal and promote the recycling of materials. Check how to recycle your Nokia products at www.nokia.com/recycling.

About Digital Rights Management

When using this device, obey all laws and respect local customs, privacy and legitimate rights of others, including copyrights. Copyright protection may prevent you from copying, modifying, or transferring photos, music, and other content.

Content owners may use different types of digital rights management (DRM) technologies to protect their intellectual property, including copyrights. This device uses various types of DRM software to access DRM-protected content. With this device you can access content protected with WMDRM 10, OMA DRM 1.0 and OMA DRM 2.0. If certain DRM software fails to protect the content, content owners may ask that such DRM software's ability to access new DRM-protected content be revoked. Revocation may also prevent renewal of such DRM-protected content already in your device. Revocation of such DRM software does not affect the use of content protected with other types of DRM or the use of non-DRM-protected content.

Digital rights management (DRM) protected content comes with an associated licence that defines your rights to use the content.

If your device has OMA DRM-protected content, to back up both the licences and the content, use the backup feature of Nokia Suite.

Other transfer methods may not transfer the licences which need to be restored with the content for you to be able to continue the use of OMA DRM-protected content after the device memory is formatted. You may also need to restore the licences if the files on your device become corrupted.

If your device has WMDRM-protected content, both the licences and the content are lost if the device memory is formatted. You may also lose the licences and the content if the files on your device become corrupted. Losing the licences or the content may limit your ability to use the same content on your device again. For more info, contact your service provider.

Some licences may be connected to a specific SIM card, and the protected content can be accessed only if the SIM card is inserted in the device.

Batteries and chargers

Battery and charger info

Your device is intended for use with a BV-4D rechargeable battery. Nokia may make additional battery models available for this device. Always use original Nokia batteries.

This device is intended for use when supplied with power from the following chargers: AC-50. The exact Nokia charger model number may vary depending on the plug type, identified by E, X, AR, U, A, C, K, B, or N. The charger model number can be, for example, AC-50.

In addition, third-party chargers that comply with the IEC/EN 62684 standard, and that can connect to your device micro USB connector, may be compatible.

The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, replace the battery.

 **Important:** Talk and standby times are estimates only. Actual times are affected by, for example, network conditions, device settings, features being used, battery condition, and temperature.

Battery safety

Always switch the device off and unplug the charger before removing the battery. When you unplug a charger or an accessory, hold and pull the plug, not the cord.

When your charger is not in use, unplug it from the electrical plug and the device. Do not leave a fully charged battery connected to a charger, as overcharging may shorten the battery's lifetime. If left unused, a fully charged battery will lose its charge over time.

Always keep the battery between 15°C and 25°C (59°F and 77°F). Extreme temperatures reduce the capacity and lifetime of the battery. A device with a hot or cold battery may not work temporarily.

Accidental short-circuiting can happen when a metallic object touches the metal strips on the battery, for example, if you carry a spare battery in your pocket. Short-circuiting may damage the battery or the connecting object.

Do not dispose of batteries in a fire as they may explode. Dispose of batteries according to local regulations. Recycle when possible. Do not dispose as household waste.

Do not dismantle, cut, open, crush, bend, puncture, or shred cells or batteries. If a battery leaks, do not let battery liquid touch skin or eyes. If this happens, immediately flush the affected areas with water, or seek medical help.

Do not modify, remanufacture, attempt to insert foreign objects into the battery, or immerse or expose it to water or other liquids. Batteries may explode if damaged.

Use the battery and charger for their intended purposes only. Improper use, or use of unapproved batteries or incompatible chargers may present a risk of fire, explosion, or other hazard, and may invalidate any approval or warranty. If you believe the battery or charger is damaged, take it to a service centre for inspection before continuing to use it. Never use a damaged battery or charger. Only use the charger indoors.

Additional safety information

Make an emergency call

- 1 Make sure the device is switched on.
- 2 Check for adequate signal strength. You may also need to do the following:
 - Put a SIM card in the device.

- Switch the call restrictions off in your device, such as call barring, fixed dialling, or closed user group.
- Make sure the offline or flight profile is not switched on.
- If the device screen and keys are locked, unlock them.

3 Press the end key repeatedly, until the home screen is shown.

4 To open the dialler, select 

5 Type in the official emergency number for your present location. Emergency call numbers vary by location.

6 Press the call key.

7 Give the necessary info as accurately as possible. Do not end the call until given permission to do so.

When you switch your device on for the first time, you are asked to create your Nokia account. To make an emergency call during the account setup, press the call key.

! Important: Activate both cellular and internet calls, if your device supports internet calls. The device may attempt to make emergency calls both through cellular networks and through your internet call service provider. Connections in all conditions cannot be guaranteed. Never rely solely on any wireless device for essential communications like medical emergencies.

Small children

Your device and its accessories are not toys. They may contain small parts. Keep them out of the reach of small children.

Medical devices

Operation of radio transmitting equipment, including wireless phones, may interfere with the function of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine whether they are adequately shielded from external radio frequency energy.

Implanted medical devices

Manufacturers of medical devices recommend a minimum separation of 15.3 centimetres (6 inches) between a wireless device and an implanted medical device, such as a pacemaker or implanted cardioverter defibrillator, to avoid potential interference with the medical device. Persons who have such devices should:

- Always keep the wireless device more than 15.3 centimetres (6 inches) from the medical device.
- Not carry the wireless device in a breast pocket.
- Hold the wireless device to the ear opposite the medical device.
- Switch the wireless device off if there is any reason to suspect that interference is taking place.
- Follow the manufacturer directions for the implanted medical device.

If you have any questions about using your wireless device with an implanted medical device, consult your health care provider.

Hearing

Warning:

When you use the headset, your ability to hear outside sounds may be affected. Do not use the headset where it can endanger your safety.

Some wireless devices may interfere with some hearing aids.

Nickel

! Note: The surface of this device does not contain nickel in the platings. The surface of this device contains stainless steel.

Protect your device from harmful content

Your device may be exposed to viruses and other harmful content. Take the following precautions:

- Be cautious when opening messages. They may contain malicious software or otherwise be harmful to your device or computer.
- Be cautious when accepting connectivity requests, browsing the internet, or downloading content. Do not accept Bluetooth connections from sources you do not trust.
- Only install and use services and software from sources that you trust and that offer adequate security and protection.
- Install antivirus and other security software on your device and any connected computer. Only use one antivirus app at a time. Using more may affect performance and operation of the device and/or computer.
- If you access preinstalled bookmarks and links to third party internet sites, take the appropriate precautions. Nokia does not endorse or assume liability for such sites.

Operating environment

This device meets radio frequency exposure guidelines in the normal use position at the ear or at least 1.5 centimetres (5/8 inch) away from the body. Any carry case, belt clip, or holder for body-worn operation should not contain metal and should position the device the above-stated distance from your body.

To send data files or messages requires a quality connection to the network. Data files or messages may be delayed until such a connection is available. Follow the separation distance instructions until the transmission is completed.

Vehicles

Radio signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection, electronic antilock braking, electronic speed control, and air bag systems. For more info, check with the manufacturer of your vehicle or its equipment.

Only qualified personnel should install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate your warranty. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories. Remember that air bags inflate with great force. Do not place your device or accessories in the air bag deployment area.

Potentially explosive environments

Switch your device off in any area with a potentially explosive atmosphere, for example near petrol pumps at service stations. Sparks in such areas could cause an explosion or fire resulting in bodily injury or death. Observe restrictions in fuel service stations, storage, and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include areas where you would be advised to switch your vehicle engine off, below deck on boats, chemical transfer or storage facilities, and where the air contains chemicals or particles such as grain, dust, or metal powders. You should check with the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) to determine if this device can be safely used in their vicinity.

Certification information (SAR)

This mobile device meets guidelines for exposure to radio waves.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organisation ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 watts/kilogram (W/kg) averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station.

The highest SAR value under the ICNIRP guidelines for use of the device at the ear is 1.23 W/kg.

Use of device accessories may result in different SAR values. SAR values may vary depending on national reporting and testing requirements and the network band. Additional SAR information may be provided under product information at www.nokia.com.

NOKIA SERVICE TERMS

Terms of Use

1. Acceptance

These Nokia Service Terms together with the Privacy Policy and all other additional terms and information that may be provided within the Service (collectively "Terms") govern your use of the service, site, content and software (collectively the "Service"). By registering for or using the Service or any portion of it you accept the Terms.

The Terms constitute an agreement between you and Nokia Corporation, Keilalahdentie 2-4, 02150 Espoo, Finland including its affiliates and suppliers (collectively "Nokia"), defining your and Nokia's rights and responsibilities with respect to the Service.

2. Eligibility

To use the Service, you must be at least thirteen (13) years of age. If you are under thirteen (13) years of age, or at least thirteen (13) years of age but a minor where you live, you must have your parent or legal guardian accept your registration on your behalf and approve your use of the Service. Anyone completing the registration must be legally competent.

3. Registration and Termination

To use a Service you may need to register and create a Nokia account with username and a password. You may need to provide us with certain personal and other information. Nokia may verify your email address before account can be used. Upon first use of your device and each time you update the Nokia device software, a text message will be sent to Nokia. The creation of a Nokia Account will require data transmission. Data transmission costs may apply.

You agree to provide truthful and complete information when you register for the Service and to keep that information updated. You must take due care to protect your username and password against misuse by others and promptly notify Nokia about any misuse. You, and your parent or legal guardian if you are a minor, are personally responsible for any use of the Service.

You may terminate your registration if you no longer wish to use the Service. After termination, you will no longer have access to the Service. Nokia may terminate your registration or restrict your access to certain parts of the Service if Nokia reasonably believes that you have breached the Terms or with prior notice if you have not signed into the Service with your username in the past six (6) months.

Except as set forth in the Privacy Policy, Nokia is not responsible for any removal or loss of the information or content you have submitted to the Service. When information or content is removed from the Service by either you or Nokia, traces or copies may still remain elsewhere.

4. Licenses

Nokia grants you a non-exclusive, non-transferable license, revocable at any time at Nokia's sole discretion, to access and use the Service strictly in accordance with the Terms. Use of the Service does not grant you any intellectual property rights in or to any information or content in the Service.

As part of the Service, Nokia may provide you with content developed by Nokia or its licensors ("Content"). Nokia grants you a non-exclusive and perpetual license to use Content for the purpose it is intended, unless otherwise defined in the applicable Terms or the purchase order. Some Content may only be available to residents of certain geographical areas. You are bound by any restrictions applicable to specific Content you obtain through the Service. Any license acquired to third-party Content is a binding agreement between you and the third-party Content provider. You have only the rights to the Content which are expressly granted here.

128 Product and safety information

As part of the Service, Nokia may provide you with certain software developed by Nokia or, its licensors ("Software"). Your use of Software may be subject to separate terms and conditions that you must accept before using the Software. If there are no separate terms and conditions applicable to such Software, the following terms apply: Nokia grants to you a limited, non-exclusive, non-transferable right to install and use the Software on your computer and/or mobile device. You may not copy the Software, except to make a single archival backup copy. You may not distribute, transfer the right to use, modify, translate, reproduce, resell, sublicense, rent, lease, reverse engineer, or otherwise attempt to discover the source code of or make derivative works of the Software. For open source licensed software, applicable open source license terms apply.

The Software maybe subject to export controls under the U.S. Export Administration Regulations and other import or export control regulations. You agree to strictly comply with all applicable import and export regulations and acknowledge that you have the responsibility to obtain licenses to export, re-export, transfer, or import such Software.

You may be able to submit information or content ("Material") to the Service. Nokia does not claim ownership in your Material. Your submission of Material does not transfer ownership of rights of the Material to Nokia. Nokia is only transmitting the Material and is not responsible for editorial control over it. By submitting Material to the Service you grant Nokia a worldwide, non-exclusive, sub-licensable, assignable, fully paid-up, royalty-free, perpetual and irrevocable license to use, copy, publicly perform, display, distribute in any media and modify the Material to incorporate the Material into other works, and to grant similar sublicenses to the extent necessary for Nokia to provide the Service. You may be able to adjust this grant in the privacy and other settings of the Service.

You are solely responsible for taking backup copies of the data you store on the Service, including Content you upload. If the Service is discontinued or canceled, Nokia may permanently delete your data. Nokia has no obligation to return data to you after the Service is discontinued or canceled.

5. Using the Service

You agree to:

- Comply with applicable laws, the Terms and good manners;
- Use the Service only for your personal, non-commercial purposes;
- Not submit unlawful, offensive, inaccurate, misleading, abusive, pornographic, harassing, libelous or otherwise inappropriate Material;
- Obtain any consents, permission or licenses that may be legally required for you to submit any Material;
- Respect the privacy of others;
- Not distribute or post spam, unreasonably large files, chain letters, pyramid schemes, viruses; or
- Not use any other technologies or initiate other activities that may harm the Service, or the interest or property of the Service users.
- Not to use any automated systems or means to access, acquire, copy or monitor any part of the service.
- Be responsible for the consequences related to the Material that you post.

Nokia may but has no obligation to:

- Monitor or moderate any Content or Material;
- Remove any Material from the Service; and
- Restrict access to any part of the Service at any time in its sole discretion.

6. Content

Before downloading or accessing any Content, please check whether the Content which you wish to access is restricted by age or marked as potentially 'offensive' or 'explicit'. Nokia shall not be responsible for any claims or offense caused or suffered by you accessing such Content.

You agree:

- To use the Content only for your personal, non-commercial purposes;
- To use the Content in accordance with the restrictions set out in the applicable laws, additional terms, guidelines and policies or on the product pages that apply to that particular piece of the Content;
- Not to make copies, give, sell, resell, loan, rent, offer, broadcast, send, distribute, transfer, communicate to the public, reproduce, modify, display, perform, commercially exploit or make the Content available unless otherwise authorized in the applicable Terms and to advise Nokia promptly of any such unauthorized use;
- Not to remove, circumvent, reverse engineer, decrypt, or otherwise alter or interfere with any applicable usage rules or attempt to circumvent digital rights management or copy protection features associated with the Content or any other technologies used to control the access to or use of the Content or its identifying information;
- Not to use any automated systems or means, except for those provided by us, for the selection or downloading of the Content;
- Not to give out your password or otherwise allow other people to access the Content. The restrictions on copying that apply to applicable media also apply to the Content accessed as part of this Service.

The Content is owned and/or controlled by Nokia and/or its respective licensors and is protected by intellectual property laws. The third party Content provider is solely responsible for any Content it provides, any warranties to the extent that such warranties have not been disclaimed and for any claims you may have relating to that Content or your use of that Content. However, Nokia may enforce the third party Content license terms against you as a third party beneficiary of those terms. The third party Content providers are third-party beneficiaries under these Terms and may enforce the provisions that directly concern the Content in which they have rights. Nokia may be acting as an agent for third party Content provider in providing the Content to you. Nokia is not a party to the transaction between you and the third party Content provider for such Content.

7. Allegations of Copyright Infringement

You may notify Nokia of copyright infringement on the Service by providing notice (a) by email with "Copyright Notification" in the subject line to copyright.notices@nokia.com, (b) by a document titled "Copyright Notification" mailed to Nokia, Attn: Copyright Agent, 102 Corporate Park Drive, White Plains, NY 10604, USA or (c) via the online form, if available. Your notice must:

1. identify the original copyrighted work you claim is infringed;
2. identify the content on the Service that you claim is infringing the copyrighted work. Please provide enough detail for Nokia to locate the allegedly infringing content on the Service;
3. provide your contact information, including your full name, mailing address, telephone number, and email address, if available;
4. provide a statement that you have a good faith belief that the use of the content in the manner complained of is not authorized by the copyright owner, its agent, or the law;
5. provide this statement: "I swear, under penalty of perjury, that the information in this notification and complaint is accurate and that I am the copyright owner, or am authorized to act on behalf of the copyright owner of an exclusive right that is infringed."; and
6. provide your signature, as applicable.

8. Notices

Nokia may post notices within the Service. Nokia may also send you notices about products and Services to the email address or telephone number you have provided to us. You are deemed to have received such notices at the latest within seven (7) days from Nokia sending or posting those. Your continued use of the Services constitutes your receipt of all notices regardless of delivery method.

9. Fees

Your use of the Service may be or may become subject to charges.

130 Product and safety information

Any fees charged by Nokia will be announced separately in connection with the Service.

Use of the Service may involve transmission of data through your service provider's network. Prices listed within the Service do not include possible data transmission, text message, voice or other service provision charges by your network service provider.

Nokia assumes no responsibility for the payment of any charges of your service providers.

10. Order and Payment Terms

"Order" shall mean the selection of payable Content and/or subscription to Content offered by Nokia and available in the Service and submission of payment method, as well as submitting the order by selecting the "buy", "ok", "I accept" or other similar confirmation of acceptance in the order flow or providing other indication of acceptance terms that are presented to you in the order flow.

To place an Order within the Service, you must have reached the age of legal competence according to the applicable legislation. If you have not reached the age of legal competence, you may place Orders only with the prior consent of your parent or legal guardian.

You agree that all Orders shall be legally valid and binding. All Orders are subject to acceptance by Nokia.

You may pay by credit or debit card, network service provider billing, or other payment methods if available.

Your credit or debit card must have a billing address in the country where the Content is offered by the Service. Nokia will charge your credit card or debit your bank account within a reasonable time after you have made your Order. All credit card payments are subject to validation checks and authorization by the card issuer.

If you choose network service provider billing, charges will appear on your mobile phone bill or be deducted from your prepaid account if it is a prepaid account. Some network service providers may subject your usage of the Service to additional terms and conditions including placing limits on the amount of charges possible with network service provider billing. Charges in excess of network service provider limits or account balance may be rejected.

You agree to pay the charges related to your Order, to ensure that the instrument of payment is valid at the time of the Order, that you are the rightful holder of the instrument and that the instrument is used within its credit limits.

The Content that is delivered is licensed to you. You agree to use such Content solely as permitted in these Terms and in any additional terms that you may be presented in the order flow.

The Service may offer subscriptions. You authorize the Service to place a periodical charge during the period of the subscription. The Service may also offer a trial period. If your Order involves a trial period (also known as try-and-buy), you may be charged when the trial period expires, unless you cancel in accordance with the subscription/trial terms.

The prices in the Service may change from time to time. Prices include applicable taxes in effect at the time of your transaction, unless otherwise stated. There may be instances where you incur additional charges from your bank or credit card provider based on currency conversion rates used and/or additional fees assessed. Nokia assumes no responsibility for the payment of bank or any other third party service fees or charges.

11. Cancellations and Refunds

You agree to the electronic delivery of Content being initiated concurrently with the placement of your Order. You will not be able to cancel your Order once it has been processed. The nature of the Content is such that it cannot be returned.

In the event that after your Order you discover and promptly inform Nokia within 48 hours that (a) the Content you have ordered is faulty; (b) the Content Nokia delivers to you does not match the description of the Content you ordered via the Service; or (c) technical problems delayed or prevented delivery of your Content or accidental multiple orders caused by such technical problems, your sole and exclusive remedy with respect to such Content will be either replacement of such Content, or refund

of the price paid for such Content, as determined solely by Nokia. Otherwise, no refunds are available. If you encounter any of the above issues, please contact Nokia Customer Support.

Please note that Nokia may not be able to process your customer support request if you are unable to provide your transaction ID, which is provided to you by Nokia following your Order from the Service. Nokia may only process refunds for Content where the total price is above the monetary limit stipulated in applicable local legislation.

12. Feedback to Nokia

By submitting any ideas, feedback and/or proposals ("Feedback") to Nokia through the Service or other means, you acknowledge and agree that: (1) Nokia may have similar development ideas to the Feedback; (2) your Feedback does not contain confidential or proprietary information of you or any third party; (3) Nokia is not under any obligation of confidentiality with respect to the Feedback; (4) Nokia may freely use, distribute, exploit and further develop and modify Feedback for any purpose; and (5) you are not entitled to any compensation of any kind from Nokia.

13. Social Activities and Location Sharing

You may use features in the Service to share your location, status, content, Materials or personal information or to interact with other users, sites and services. By using these features you agree that Nokia may use and provide that information to other services and persons with whom you choose to interact or share this information. Users of these services and persons, such as your contacts, may see your location, status and/or personal information. In using these features you agree not to share information, Content or Material or to link to any service or site that: (a) contains content or other material that is illegal or inappropriate; or (b) exploits intellectual property rights without authorization or encourages users to piracy. Any interaction does not involve Nokia and is solely between you and the other user(s).

14. Availability and Technical Requirements

The availability of Content and the Service may vary and is subject to Nokia's sole discretion. Nokia expressly disclaims any representation or warranty that any particular Content or Service will be available. The Service may not be available in all countries and may be provided only in selected languages. The Service, operations and some features may also be dependent on the network, compatibility of the devices used and the content formats supported.

To access the Service, you may need to download a specific piece of software developed by Nokia or by another party.

Nokia may, in its sole discretion, change, correct or discontinue the Service in whole or in part. The Service may not be available during maintenance breaks and other times. To ensure you have the latest Nokia device software and applications, your device may automatically check for the availability of software updates from Nokia. If any are detected you will be prompted to approve the installation. You may disable automatic checking for updates through settings in your device. You may also install software through available software update channels. If Nokia considers a Software update to be important or critical you may not continue using the previous version of the Software. Nokia may prevent your use of the previous version of the Software or Service until you install the update.

Nokia may disable any Content or Software contained in your Service account for any reason and remove any Content or Software and/or disable copies of any application on your device in order to protect the Service, application providers, wireless carriers over whose network you access the service or any other affected or potentially affected parties.

A particular service may be a pre-release version, for example a beta release, and may not work in the way a final version works. Nokia may significantly change any version of Service or Software or decide not to release a final version.

15. Links to Third Party Sites and Content

Nokia may include access to sites and services on the Internet or preloaded clients that enable you to interact with sites and services that are owned or operated by third parties and that are not part of the Service. You must review and agree to the terms and conditions of these sites or services before using these sites or services.

132 Product and safety information

Nokia has no control over the third party content, sites or services and assumes no responsibility for services provided or material created or published on these third-party sites or services. A link to a third-party site does not imply that Nokia endorses the site or the products or services referenced in the site.

In addition, you and other users may create content and links to content within the Service that has not otherwise been submitted to the Service. Nokia is not responsible for this type of content or links.

16. Advertisements

Service may include advertisements. Advertisements may be targeted to the content or information stored on the Service, queries made through the Service, or other information.

17. Personal Data

The Privacy Policy and any additional privacy information made available to you govern the use of your personal data.

18. Limitation of Liability

The Service is provided on "AS IS" and "AS AVAILABLE" basis. Nokia does not warrant that the Service will be uninterrupted or error or virus-free. No warranty of any kind, either express or implied, including but not limited to warranties of title, non-infringement, merchantability, or fitness for a particular purpose, is made in relation to the availability, accuracy, reliability, information or content of the Service. You expressly agree and acknowledge that the use of the Service is at your sole risk and that you may be exposed to content from various sources.

Except for liability for death or personal injury caused by its gross negligence or intentional misconduct, Nokia is not liable for any direct damages caused by your use or inability to use the Service. In no case will Nokia be liable for any indirect, incidental, punitive or consequential damages resulting from your use or inability to use the Service.

19. Indemnification

You agree to defend and indemnify Nokia from and against all third party claims and all liabilities, assessments, losses, costs or damages resulting from or arising out of (i) your breach of the Terms, (ii) your infringement or violation of any intellectual property rights, other rights or privacy of a third party, or (iii) misuse of the Service by a third party where the misuse was made possible by your failure to take reasonable measures to protect your username and password against misuse.

20. Miscellaneous

20.1 Choice of Law

The Terms are governed by the laws of Finland without regard to its conflicts of law provisions.

20.2 Validity

The Terms neither exclude nor limit any of your mandatory rights in your country of residence that cannot by law be waived. If a provision of the Terms is found to be invalid, the remaining provisions will not be affected and the invalid provision will be replaced with a valid provision that comes closest to the result and purpose of the Terms. In the event one or more provisions of these Terms are not relevant to your use of the Service, it shall not impact the validity or enforceability of any other provision of the Terms or the Terms as a whole. If there is any conflict between these Nokia Service Terms and the Privacy Policy, the provisions of these Nokia Service Terms prevail. The provisions of the Terms that are intended to survive termination of your registration remain valid after termination.

20.3 Changes in Terms

Nokia may modify the Terms at any time without prior notice. If the Terms are changed in a material, adverse way, Nokia will provide a separate notice advising of the change.

You are responsible for regularly reviewing the Terms. Your continued use of the Service constitutes your consent to any changes and modification.

21. Intellectual Property

The Service, Content and Software are protected under international copyright laws. Nokia claims copyrights in its Service, Content, and Software to the maximum extent of the law. Subject to the Terms, Nokia retains all right, title and interest in the Service, its Content, the Software and in all other Nokia products, software and other properties provided to you or used by you through the Service.

22. Assignment

Nokia may assign its rights and obligations under these Terms to its corporate parent, its subsidiaries, or to any company under common control with Nokia. Additionally, Nokia may assign its rights and obligations under these Terms to a third party in connection with a merger, acquisition, sale of assets, by operation of law or otherwise.

WE CARE ABOUT YOUR PRIVACY

Nokia is committed to protecting your privacy and to complying with applicable data protection and privacy laws. This Privacy Policy ("Policy") explains how we process personal data. Throughout this Policy the term "personal data" means information relating to an identified or identifiable individual (i.e. a natural person). "Nokia" refers to Nokia Corporation, including its affiliates (also referred to as "we", "us", or "our"). This Policy applies for processing of your personal data where Nokia is the data controller or where we refer to the applicability of this Policy.

We may provide additional privacy information in connection with our products and services through service descriptions and other notices. Such information prevails over this Policy to the extent of any conflict.

Third party services installed on your device may allow access to information available on your device. Our products or services may contain links to other companies' websites and services that have privacy policies of their own. We recommend that you read the privacy policies of such third party services. Nokia is not responsible for the privacy practices or contents of any such third party services.

By using this website and/or by submitting personal data to Nokia, you agree to the processing of your personal data as explained in this Policy. If you do not agree with this Policy, please do not use this website or provide Nokia with your personal data.

What Data Do We Collect?

We collect your personal data typically when you make a purchase, use or register into our products and services, take part in a campaign or otherwise interact with us. Below are examples of the categories of data we collect.

- **Your use of our products and services** When you use our products and services your IP-address, access times, the website you linked from, pages you visit, the links you use, the content you viewed and other such information your browser provides us with is automatically collected by Nokia. Some of our mobile services may collect your unique mobile device identifiers, subscriber identity information, network service provider specific identifiers, network settings and other such information. When you use our products and services or otherwise interact with us over telecommunications networks, certain additional information, such as your mobile subscription number, may be transmitted to us by your mobile network provider.
- **Information you provide us with** We may ask you to provide us with information such as your name, email address, street address, user names and passwords, your consents, preferences and feedback, information relating to your devices, age, gender, postal code and language preferences. Please note that certain non-identifiable information collected from you may become personally identifiable when you provide us with your personal data. We may also obtain, in accordance with applicable law, some personal data from list-rental companies and other such publicly available sources. Some of our services may allow you to submit information about other people, for example, if you make an order for a product that you wish us to send directly to another recipient.

- **Your transactions with us** We collect information relating to your purchase and use of our products and services and your other interactions with us. Such information may include details of the queries or requests you have made, the products and services provided, delivery details, bank account number, credit card details, billing address, credit checks and other such financial information, details of agreements between you and Nokia, records of contacts and communications, information and details relating to the content you have provided us with and other such transactional information. We may, in accordance with applicable law, record your communication with our customer care or with other such contact points.
- **Location data** Nokia's location based services and features may use satellite, Wi-Fi or other network based location data, for example your IP-address. Assisted positioning methods of the device, for example Assisted GPS, provide you with faster and more accurate location data. Use of assisted positioning methods may involve exchanging your location data, wireless network identifiers along with your unique device or network service provider identifiers with a location server. Nokia processes this information anonymously. Depending on your positioning settings and your use of location services of other service providers your device may connect to other service providers' servers, which are not controlled or operated by Nokia. We recommend you to check the privacy policies of such service providers to understand how they process your location data. You can modify the positioning settings of your device from the device settings, for example change or disable positioning methods or location servers or modify the accuracy of your location data.

Nokia offers various location based services and features that may require the use of your location data. For example when you make a location based search, use location enhanced weather features or request for map data, your location data may be sent to Nokia to serve you with the right content. This may also include location based advertising. Some location based services may allow you to associate your personal data with your location. To learn more about available location based services and features, please refer to instructions and other support material for our products and services.

Why Do We Process Personal Data?

Nokia may process your personal data for the following purposes. Please note that one or more purposes may apply simultaneously.

- **Providing products and services** We may use your personal data to provide you with our products and services, to process your order or as otherwise may be necessary to perform the contract between you and Nokia, to ensure the functionality and security of our products and services, to identify you as well as to prevent and investigate fraud and other misuses.
- **Developing products and services** We may use your personal data to develop our products and services. However, for the most part we only use aggregate and statistical information for such purposes. We may combine personal data collected in connection with your use of a particular Nokia product and/or service with other personal data we may hold about you, unless such personal data was collected for a different purpose.
- **Communicating with you** We may use your personal data to communicate with you, for example to send you critical alerts and other such notices relating to our products and/or services and to contact you for consumer care related purposes.

Marketing and making recommendations We may use your personal data to personalize our offering and to provide you with more relevant services, for example, to make recommendations and to display customized content and advertising in our services. This may include displaying Nokia and third party content. We may use your personal data for direct marketing or research purposes, for example, to conduct market research and we may, in accordance with applicable law, contact you to inform you of new products, services or promotions we may offer.

First use of your Nokia device

Depending on your device a Nokia Account may be created for you or you may need to sign in with your existing Nokia Account when you first use your device. In the activation process your user name, email address, mobile number, unique mobile device identifier and subscriber identity information will be sent to Nokia and we may associate this information with your Nokia Account. This combined information may be used to activate your warranty and certain software licenses and to send you personalized messages, for example emails, text and other messages. These messages may include information about Nokia's products and services, such as tips and commercial offers. You may unsubscribe from these messages at any time for example by following the information in the message you receive after taking your device into use, instructions in the device or in the

messages, through available profile management tools or contacting Nokia customer care. The collected information may also be used to display personalized content as well as to improve Nokia's products and services. The above information may also apply in case you update the software of your device.

Do We Share Personal Data?

We do not sell, lease, rent or otherwise disclose your personal data to third parties unless otherwise stated below.

- **Your consent and social sharing services** We may share your personal data if we have your consent to do so. Some services may allow you to share your personal data with other users of the service or with other services and their users. Please consider carefully before disclosing any personal data or other information that might be accessible to other users.
- **Nokia companies and authorized third parties** We may share your personal data with other Nokia companies or authorized third parties who process personal data for Nokia for the purposes described in this Policy. This may include for example billing through your network service provider or otherwise, delivery of your purchases, providing services including customer service, managing and analyzing consumer data, credit checks, conducting market research and managing marketing and other such campaigns. When you purchase a Nokia product from us with a network service provider plan, we may need to exchange information with your network service provider to provide you with such service.

We may conduct joint marketing and other communications with our partners, for example your mobile operator. To avoid duplicate or unnecessary communications and to tailor the message to you we may need to match information that Nokia has collected with information that the partner has collected where this is permitted by law.

These authorized third parties are not permitted to use your personal data for any other purposes. We require them to act consistently with this Policy and to use appropriate security measures to protect your personal data.

- **International transfers of personal data** Our products and services may be provided using resources and servers located in various countries around the world. Therefore your personal data may be transferred across international borders outside the country where you use our services, including to countries outside the European Economic Area (EEA) that do not have laws providing specific protection for personal data or that have different legal rules on data protection, for example, the United States of America. In such cases we take steps to ensure that there is a legal basis for such a transfer and that adequate protection for your personal data is provided as required by applicable law, for example, by using standard agreements approved by relevant authorities (where necessary) and by requiring the use of other appropriate technical and organizational information security measures.
- **Mandatory disclosures** We may be obligated by mandatory law to disclose your personal data to certain authorities or other third parties, for example, to law enforcement agencies in the countries where we or third parties acting on our behalf operate. We may also disclose and otherwise process your personal data in accordance with applicable law to defend Nokia's legitimate interests, for example, in civil or criminal legal proceedings.
- **Mergers and Acquisitions** If we decide to sell, buy, merge or otherwise reorganize our businesses in certain countries, this may involve us disclosing personal data to prospective or actual purchasers and their advisers, or receiving personal data from sellers and their advisers.

How Do We Address The Privacy of Children?

Nokia products and services are typically intended for general audiences. Nokia does not knowingly collect information of children without the consent of their parents or guardians. Nokia publishes safety guidelines for using internet services in our websites.

How Do We Address Data Quality?

We take reasonable steps to keep the personal data we possess accurate and to delete incorrect or unnecessary personal data.

As certain Nokia products and services may allow you to manage your profile, we encourage you to access your personal data from time to time to ensure that it is correct. Please remember that in case of any changes it is your responsibility to update the personal data you have provided us with.

What Steps Are Taken To Safeguard Personal Data?

Privacy and security are key considerations in the creation and delivery of our products and services. We have assigned specific responsibilities to address privacy and security related matters. We enforce our internal policies and guidelines through an appropriate selection of activities, including proactive and reactive risk management, security engineering, training and assessments. We take appropriate steps to address online security, physical security, risk of data loss and other such risks taking into consideration the risk represented by the processing and the nature of the data being protected. Also, we limit access to our data bases containing personal data to authorized persons having a justified need to access such information.

How Do We Use Cookies and Web Beacons?

Cookies are small text files that are sent to your computer by a web server. We use cookies to provide benefits to you. Session cookies remember the previous activity performed by you, for example an item you placed in a shopping cart. Persistent cookies are used to save your preferences over multiple sessions, for example personalization of settings on our websites. Cookies may be used to display targeted ads and recommendations, for example to eliminate showing the same ads to you multiple times or showing ads that we think are of interest to you based on your past actions on our website. Cookies are also used to determine the effectiveness of our promotions and advertising campaigns and to improve our products and services.

Nokia may use web beacons (or "pixel tags") in connection with some of our websites. However, we do not use them to identify individual users personally. Web beacons are typically graphic images that are placed on a website and they are used to count visitors to a website and/or to access certain cookies. This information is used to improve our services. Web beacons do not typically collect any other information than what your browser provides us with as a standard part of any internet communication. If you turn off cookies, the web beacon will no longer be able to track your specific activity. The web beacon may, however, continue to collect information about visits from your IP-address.

Some Nokia websites or applications may utilize so called locally stored objects, such as Flash local shared objects ("Flash cookies") or HTML5 Web Storage. Locally stored objects are used for similar purposes as cookies but typically may contain a greater amount and different types of data than browser cookies. For example, in Flash you can use the Flash Player Settings Manager to control the storage of local shared objects, including disabling the local shared objects for certain websites only or disabling the storage of local shared objects completely for all websites.

Some Nokia websites use third party advertising technologies, such as DoubleClick, to serve ads. DoubleClick uses a cookie to collect information about your visits to Nokia and third party websites. This information will be used to serve ads on Nokia and third party websites. The collected information will not be directly personally identifiable nor will DoubleClick share the information with third parties. You may choose to disable the DoubleClick cookie at any time by using DoubleClick opt-out cookie. You may also go to <http://networkadvertising.org/> to install an opt-out cookie.

Most browsers allow you to disable or allow the use of cookies. You may also delete the cookies on your computer if your browser so permits. If you disable cookies, you may not be able to use certain parts of our services and you may need to re-install the opt-out cookie.

What Are Your Rights?

You have a right to know what personal data we hold about you. You have a right to have incomplete, incorrect, unnecessary or outdated personal data deleted or updated. You have a right to request that we stop processing your personal data for direct marketing or market research purposes. However, if you opt-out from marketing and other communications from Nokia, we may still send you critical alerts pertaining to our products and services or contact you for these purposes.

You may exercise your rights by contacting us through the contact points referred to below. In some cases, especially if you wish us to delete or stop processing your personal data, this may also mean that we may not be able to continue to provide the services to you. Please note that Nokia may need to identify you and to ask for additional information in order to be able to fulfill your request. Please also note that applicable law may contain restrictions and other provisions that relate to your rights.

We encourage you to use available profile management tools, for example Nokia Account for the above purposes as such tools often provide you with direct access to your personal data and allow you to effectively manage it.

Who Is The Controller of Your Personal Data?

Nokia Corporation of Keilalahdentie 4, 02150 Espoo, Finland is the controller of your personal data.

In addition, the Nokia affiliate providing the product or service may be a controller of your personal data. You may find the identity of the controller and its contact details by reviewing the terms and conditions of such a product or service or by using contact information provided in the applicable Nokia websites.

In matters pertaining to Nokia's privacy practices you may also contact us at:

Nokia Corporation

c/o Privacy

Keilalahdentie 4

02150 Espoo, Finland

US Safe Harbor Privacy Framework

Nokia Inc., 102 Corporate Park Drive, White Plains, NY 10604 USA adheres to the EU-US/Swiss-US Safe Harbor Privacy Principles of Notice, Choice, Onward Transfer, Security, Data Integrity, Access and Enforcement, and is registered with the U.S. Department of Commerce's Safe Harbor Program. If you have questions or concerns about Nokia's participation in the Safe Harbor Framework, please contact:

Nokia Inc.,

102 Corporate Park Drive,

White Plains, NY 10604 USA.

Attention: Legal Director, North America.

If you believe Nokia Inc. has not satisfactorily addressed your data privacy concerns, you may contact the EU Data Protection Panel at: Data Protection Panel Secretariat, Rue de Luxembourg 46 (01/126) B-1000 Brussels, BELGIUM, or by visiting <http://circa.europa.eu/Public/irc/secureida/safeharbor/home>.

Changes to This Privacy Policy

Nokia may from time to time change this Policy or change, modify or withdraw access to this site at any time with or without notice. However, if this Policy is changed in a material, adverse way, Nokia will post a notice advising of such change at the beginning of this Policy and on this site's home page for 30 days. We recommend that you re-visit this Policy from time to time to learn of any such changes to this Policy.

Copyright and other notices

DECLARATION OF CONFORMITY

CE 0168①

Hereby, NOKIA CORPORATION declares that this RM-807 product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of Conformity can be found at <http://www.nokia.com/global/declaration/declaration-of-conformity>.

For products placed on the market before 1 July 2012, the alert symbol is applicable to indicate the restrictions on use in France for the WLAN functionality. In accordance with EU Decision 2009/812/EC, after 1 July 2012, the alert symbol is no longer applicable for the WLAN functionality within this product and, hence, can be disregarded even if it is still present on the product.

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Dolby and the double-D symbol are trademarks of Dolby Laboratories.



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For the most current product info, please refer to www.nokia.com.hk.

Reverse engineering of software in the device is prohibited to the extent permitted by applicable law. Insofar as this user guide contains any limitations on Nokia's representations, warranties, damages and liabilities, such limitations shall likewise limit any representations, warranties, damages and liabilities of Nokia's licensors.

The availability of products, features, apps, and services may vary by region. For more info, contact your Nokia dealer or your service provider. This device may contain commodities, technology or software subject to export laws and regulations from the US and other countries. Diversion contrary to law is prohibited.

Nokia does not provide a warranty for or take any responsibility for the functionality, content, or end-user support of third-party apps provided with your device. By using an app, you acknowledge that the app is provided as is. Nokia does not make any representations, provide a warranty, or take any responsibility for the functionality, content, or end-user support of third-party apps provided with your device.

The availability of Nokia services may vary by region.

FCC/INDUSTRY CANADA NOTICE

This device complies with part 15 of the FCC rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Your device may cause TV or radio interference (for example, when using a device in close proximity to receiving equipment). If you require assistance, contact your local service facility. Any changes or modifications not expressly approved by Nokia could void the user's authority to operate this equipment.

Some operations and features are SIM card and/or network dependent, MMS dependent, or dependent on the compatibility of devices and the content formats supported. Some services are subject to a separate charge.

Issue 2.0 EN

Index**A**

access codes	121
alarm clock	95, 96
anniversaries	99
antennas	14
applications	21, 116
apps	49, 112, 116
audio messages	65, 67

B

backing up content	43, 114
battery	8, 124
— charging	11
— saving power	29
Big screen	41
birthdays	99
blocking	
— devices	109
blogs	72
Bluetooth	107, 108, 109
bookmarks	72
browser	
See <i>web browser</i>	
business cards	61, 108

C

cable connection	43, 110
cache memory	71
calculator	100
calendar	65, 97, 98, 99
call waiting	53
calls	57
— conference	55
— emergency	124
— last dialled	57
— making	52, 53
— restricting	58
— video calls	53

camera

— recording videos	34
— sending photos	36
— sharing photos	37
— sharing videos	37
— taking photos	32, 33, 34

charging the battery 11, 124

clock 95, 96, 97

connectivity 106

contacts 59, 62

— adding 59

— copying 14, 118

— editing 59

— favourites 60

— groups 61

— in social networks 64, 65

— photos 60

— ringtones 61

— saving 59

— sending 36, 61, 108

— sync 62, 117

— widgets 48, 60

copying content 14, 43, 76, 80, 110, 118

D

data connections 106

— Bluetooth 107

— costs 104

— packet data 104

date and time 95, 96

decryption 119

device lock 118, 119

dictionary 101

DLNA 82, 83

downloads 49, 50, 51

— themes 46

Drive

— changing views 86

— driving routes 85, 86

— map view 86

— navigating 85

— planning routes	86
— voice guidance	86

E

e-mail	
See <i>mail</i>	
emergency calls	124
encryption	119

F

factory settings, restoring	31
favourites	60
feeds, news	72
file management	113, 114, 115
flashlight	17, 28
FM radio	77, 78

G

Gallery	41
GPS (global positioning system)	92, 93
Guides	91

H

HDMI	41, 81
headset	15
help	18
home screen	21, 46, 47, 48, 60, 70

I

icons	27, 28
IMEI number	121
inbox, messages	66
installing applications	116
internet	
See <i>web browser</i>	
internet connection	103

J

Java applications	116
-------------------	-----

K

key lock	12
keyboard	23, 24
keyguard	12
keypad	24, 25
keys and parts	7

L

language settings	67
location info	73
location information	92, 93
lock code	118, 121
locking	
— keys	12
— phone	118, 119
— remotely	119
— screen	12
loudspeaker	13, 52
lunar calendar	99

M

mail	68, 70
— attachments	70
— creating	70
— mailbox	68
— reading and replying to	68
— sending	70
— setup	68
— widgets	70
mailbox	
— voice	58
Maps	84
— browsing	89
— changing views	91
— downloading maps	90
— driving routes	85
— Favourites	94
— finding locations	90
— guides	91
— navigating	85, 86, 87
— positioning	92

— reporting	95	Nokia support information	120
— saving places	93	Nokia Sync	117
— sharing locations	94	notes	101
— sync	94	notification light	28
— viewing saved places	93		
— voice guidance	87	O	
— walking routes	87	office applications	100
— weather	92	offline profile	29, 45
mass memory	114	on-screen keyboard	23, 24
meeting requests	70	on-screen keypad	24, 25
meetings	97, 99		
memory	113, 120	P	
— clearing	115	personalising your phone	44, 46, 47, 48, 49
memory card	9, 115	phone lock	118, 119
menus	49	Phone switch	14, 118
messages	65, 66	phonebook	
— audio	67	See <i>contacts</i>	
— sending	65	photos	41, 43
MMS (multimedia message service)	65	— copying	14, 43
multimedia messages	65	— editing	40
multitasking	21	— HDMI	41, 81
music	74, 75, 76, 83	— saving	38
— playlists	75	— sending	36, 108
— podcasts	76	— sharing	37, 40, 64
My Card	61	— tagging	39
		— taking	32, 33, 34
		— viewing	38, 83
		— viewing on a TV	41, 81, 83
N		pictures	
network settings	102	— copying	110, 118
news feeds	72	PIN codes	121
NFC	15, 36, 79	playlists	75
NFC (Near Field Communication)	16, 73	podcasts	76
Nokia account	13	positioning information	92, 93
Nokia original accessories	121	powering on/off	12
Nokia services	13, 62	predictive text input	23, 25
Nokia Store	49	profiles	44, 45
— browsing	50	— creating	45
— buying	50	— offline	29, 45
— downloading	50	— personalising	44, 45
— downloads	51	Public Transport	88, 89
— reviewing	51		
— searching	50		

PUK codes	121
Q	
Quickoffice	100
R	
radio	77, 78
recording	
— calls	57
— sounds	77
— videos	34
remote lock	118
remote locking	119
restoring settings	31
ringtones	44, 52, 61
S	
searching	29
— radio stations	78
security code	118, 121
sensor settings	52
settings	
— access points	103
— language	67
— restoring	31
sharing, online	37, 40, 64
shortcuts	18, 21, 48, 60
silent profile	44
SIM card	8, 62
— inserting	8
SMS (short message service)	65
social networks	62, 63, 64, 65
software	116
software updates	112, 113
speakerphone	13
speed dialling	56
status updates	64
support	18, 120
switching on/off	12
sync	62, 117
synchronisation	116

T	
tasks	98
text input	22, 23, 24, 25, 26
text messages	65
themes	46
time and date	95, 96
tones	
— personalising	44
touch screen	19
transferring content	14, 43, 76, 80, 110, 118
troubleshooting	73
turning on/off	12
TV	
— Big screen	41
— viewing photos and videos on	41, 81

U	
updates	
— apps	112
— phone software	112, 113
USB charging	11
USB connection	43, 110, 111
user guide	18

V	
video calls	53, 54, 55
video editor	40
videos	41, 80
— copying	14, 43, 80, 110, 118
— HDMI	41, 81
— playing	80
— recording	34, 35
— saving	38
— sending	36, 108
— sharing	37, 40, 64
— watching	38, 83
— watching on a TV	41, 81, 83
voice calls	
See <i>calls</i>	
voice commands	56

volume control	13
VPN	106

W

wallpaper	46
Weather	92
web browser	71, 73
— bookmarks	72
— browsing pages	71
— cache memory	71
web connection	103
web feeds	72
widgets	47, 48, 60, 70
WLAN	104, 105
world clock	96, 97
wrist strap	17

Z

zip files	101
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